

Herbert Lindholm

Basic Flute Technique

Peruskuviot huilulle

op. 26

Helin & Sons, Helsinki

Basic Flute Technique

Foreword

This book has the same goal as a teacher should have; to make himself unnecessary. Its purpose is to help young flute teachers in their work. It's not always easy to invent suitable finger and sound exercises, but I hope that this book will inspire teachers to find the endless variations that basic flute exercises can have, if one has a creative mind.

The fundamental premise is that the development of basic skills happens best by practising without music, and by concentrating on the playing only.

"Basic Flute Technique" works mainly as a collection of teaching ideas, whereby a teacher can choose and adapt the practice material for the student's needs. The foundation for most of the exercises are the five first notes of the major scale, which are used as the basic figure for building up the finger technique. Using the same method, one can also vary exercises in books like; M. A. Reichert: "Daily exercises", op. 5, Taffanel-Gaubert: "17 Big Daily Finger Exercises" and E. Köhler: "Schule der Geläufigkeit".

Kuopio, 1994

The Author

Translated by Outi and Paul Svoboda

Peruskuviot huilulle

Esipuhe

Tällä nuottivihkolla on sama funktio kuin opettajalla; tehdä itsensä tarpeettomaksi. Sen tarkoitus on auttaa nuoria aloittelevia huilupedagogeja heidän työssään. Sopivien sormi- ja ääniharjoitusten keksiminen ei aina ole kovin helppoa, joten toivon, että tämä vihko inspiroisi opettajan löytämään ne loputtomat variaatiomahdollisuudet, joita huilun perusharjoituksissa voi luovalla kekseliäisyydellä olla. Lähtökohtana on, että perustaitojen kehittäminen tapahtuu parhaiten harjoittelemalla ilman nuotteja ja keskittymällä itse asiaan.

"Peruskuviot huilulle" toimii lähinnä eräänlaisena materiaalivarastona, josta opettaja voi poimia ja soveltaa tarvitsemaansa harjoitusaineistoa kulloisiinkin oppilaan tarpeisiin. Perustana suurelle osalle harjoituksista on duuriasteikon viisi ensimmäistä säveltä, joita tekijä käyttää peruskuviona sormitekniikan rakentamisessa. Samalla keinolla voi edelleen muunnella esimerkiksi M. A. Reichertin "Tägliche Übungen", op. 5, Taffanel-Gaubertin "17 Big Daily Finger exercises" tai Köhlerin "Schule der Geläufigkeit".

Kiitän Outi ja Paul Svobodaa käännöstyön avusta.

Kuopiossa 1994 Tekijä

Basic Flute Technique

Peruskuviot huilulle

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Herbert Lindholm

Basic Flute Technique • Peruskuviot huilulle

I Scales • Asteikkoja

EASY SCALES

HELPPOJA ASTEIKKOJA

C major

C duuri



A minor (harmonic minor) *a molli (harmoninen molli)*



G major

G duuri



E minor

e molli



D major

D duuri



B minor

h molli



F major

F duuri



D minor

d molli



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B flat major *Bb duuri*



G minor *g molli*



Melodic minor • *Melodinen molli*

A minor *a molli*



E minor *e molli*



B minor *h molli*



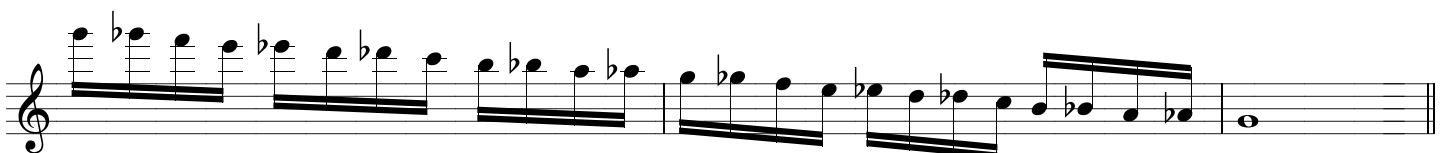
D minor *d molli*



G minor *g molli*

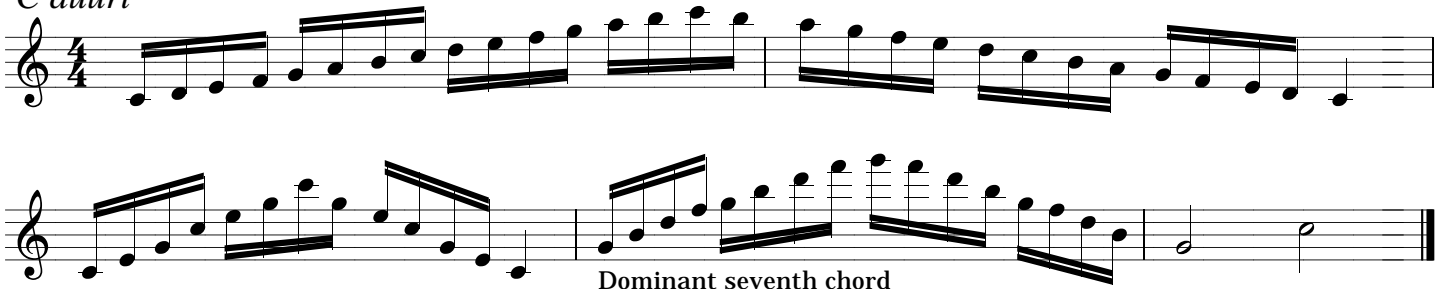


Chromatic scale • *Kromaattinen asteikko*



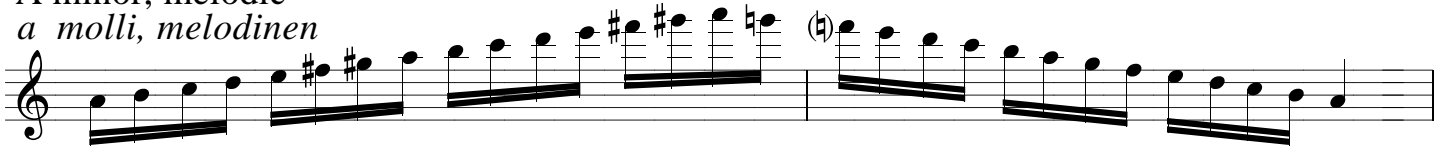
EXTENDED SCALES • ASTEIKKOJA LAAJEMMIN

C major
C duuri

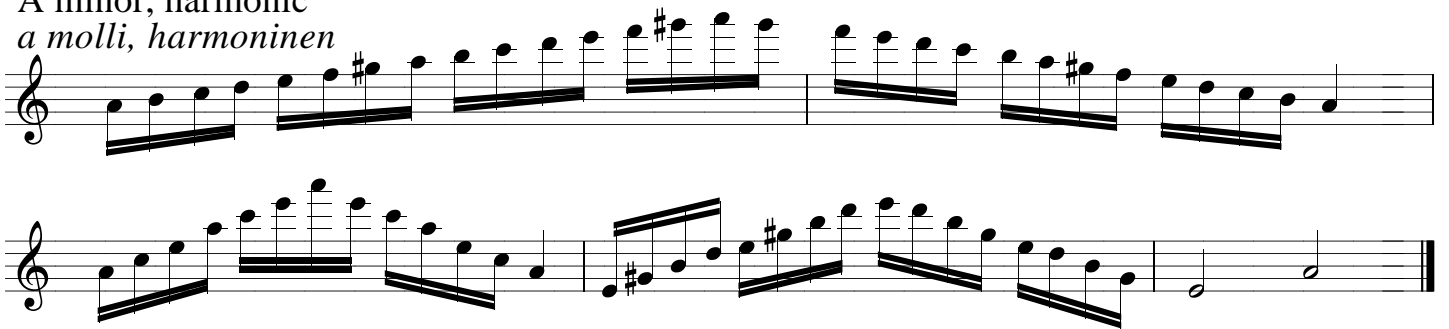


Dominant seventh chord
Dominanttiseptimisointu

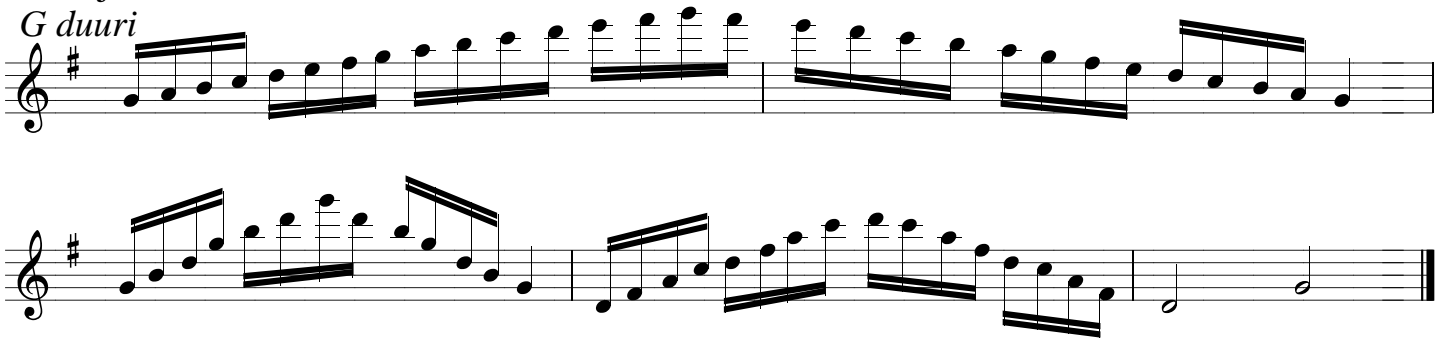
A minor, melodic
a molli, melodinen



A minor, harmonic
a molli, harmoninen



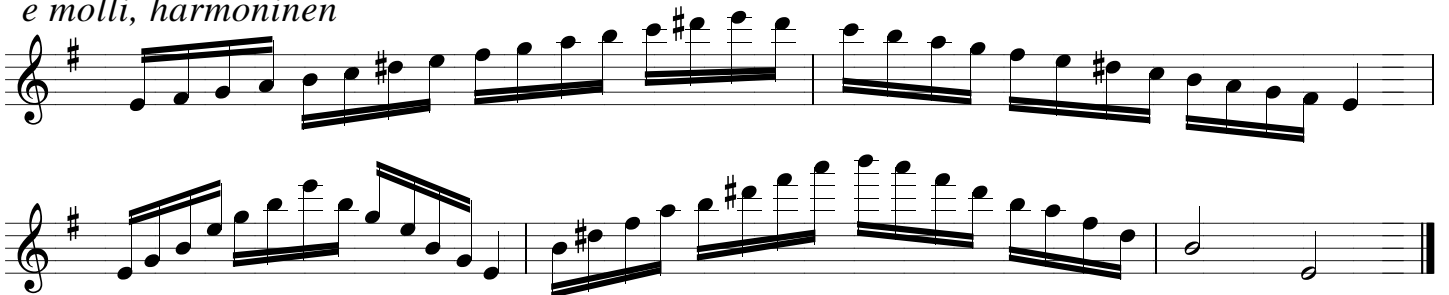
G major
G duuri



E minor, melodic
e molli, melodinen



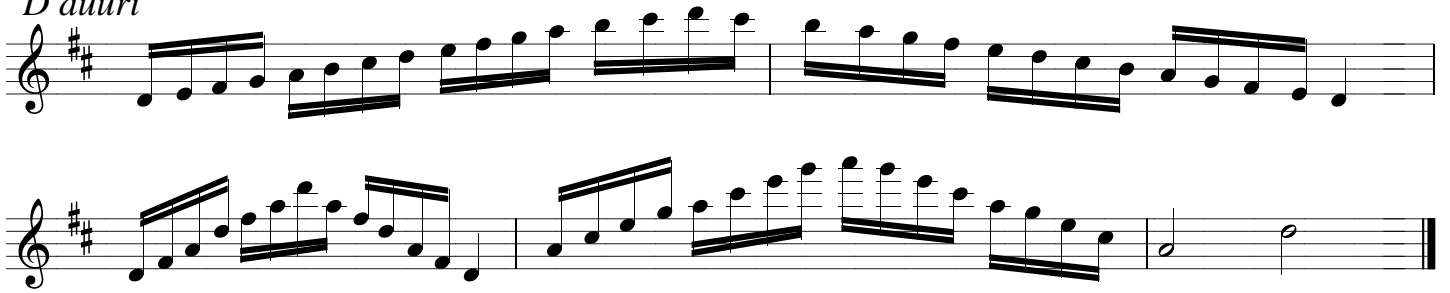
E minor, harmonic
e molli, harmoninen



Basic Flute Technique

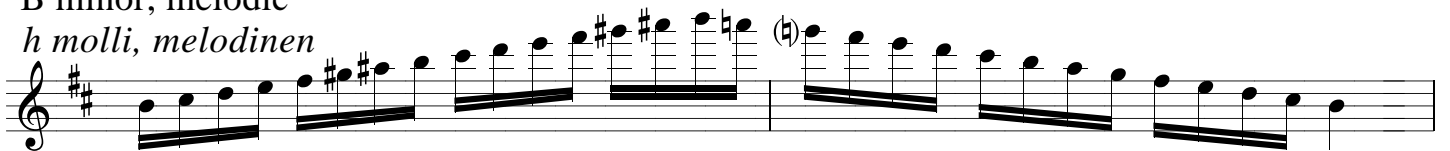
D major

D duuri



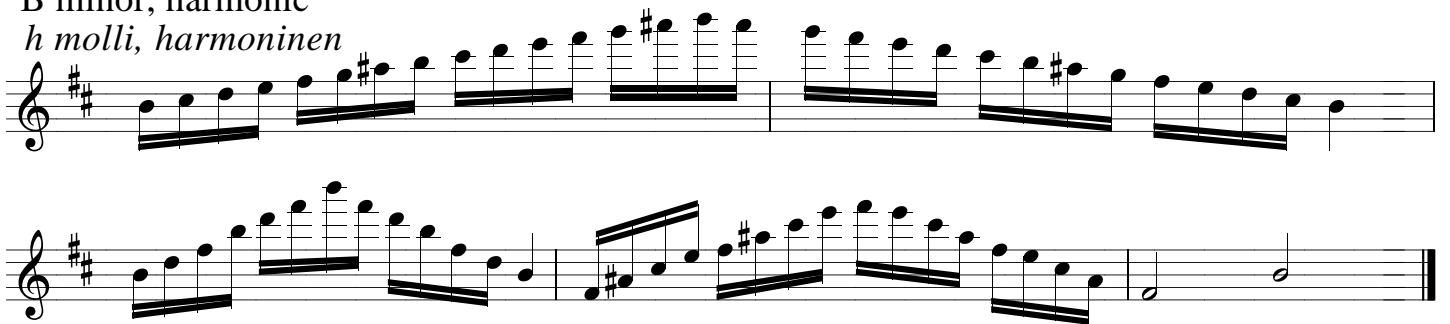
B minor, melodic

h molli, melodinen



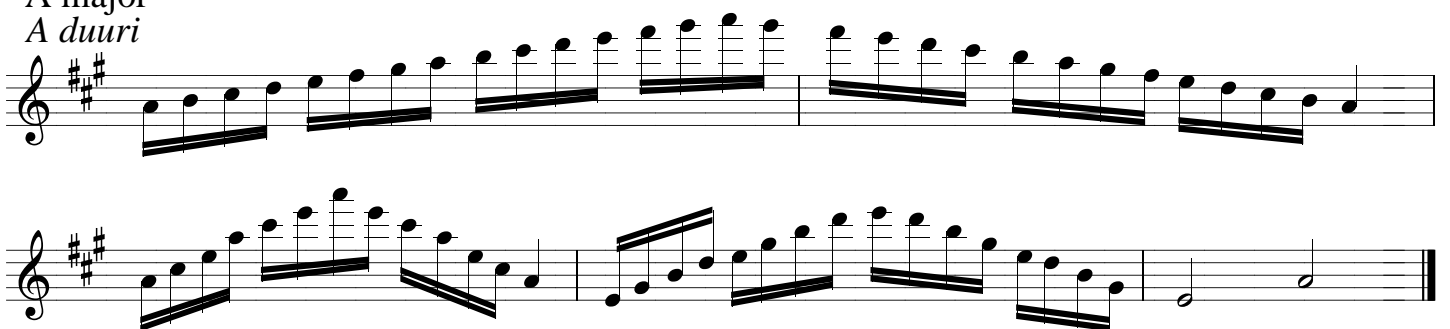
B minor, harmonic

h molli, harmoninen



A major

A duuri



F sharp minor, melodic

fis molli, melodinen



F sharp minor, harmonic

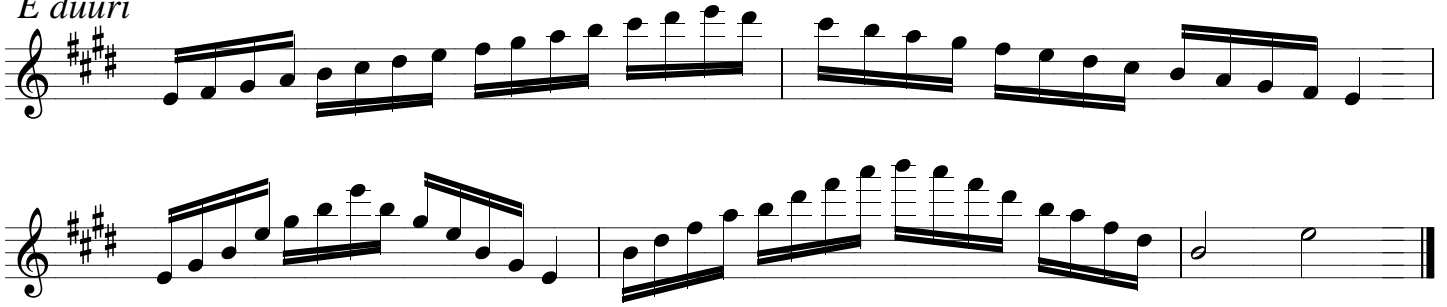
fis molli, harmoninen



Basic Flute Technique

E major

E duuri



C sharp minor, melodic

cis molli, melodinen



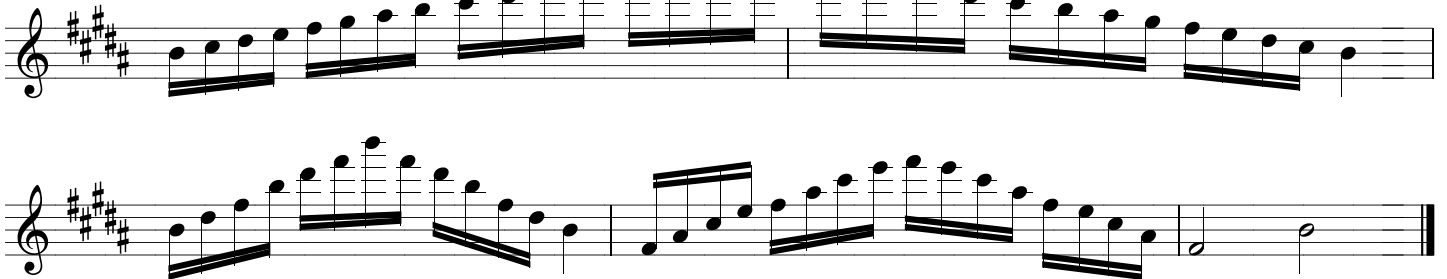
C sharp minor, harmonic

cis molli, harmoninen



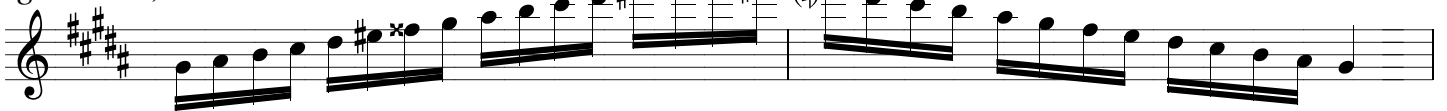
H major

H duuri



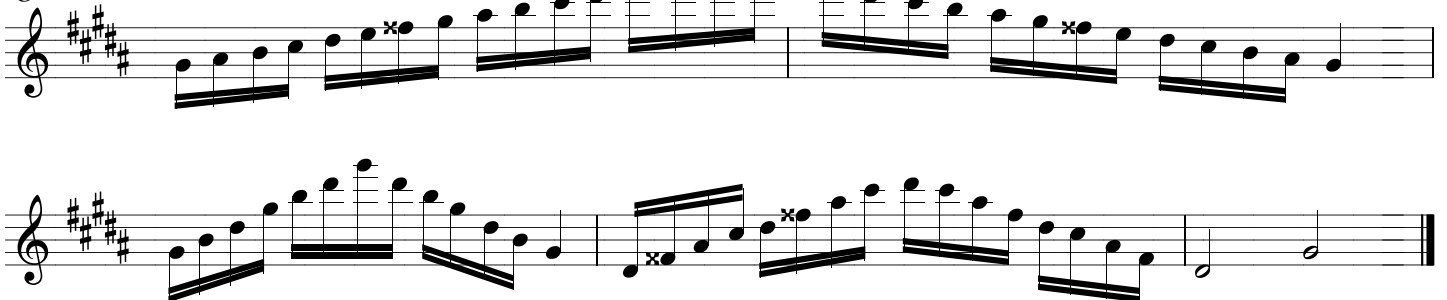
G sharp minor, melodic

gis molli, melodinen



G sharp minor, harmonic

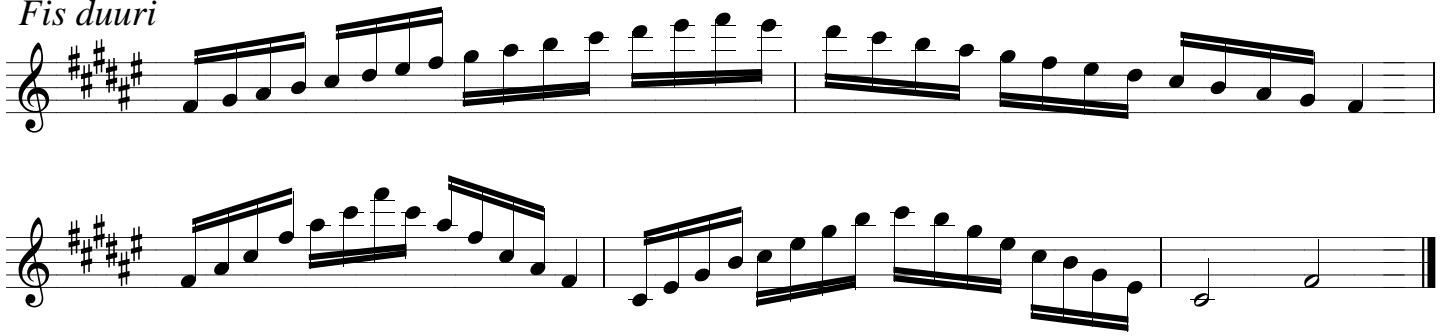
gis molli, harmoninen



Basic Flute Technique

F sharp major

Fis duuri



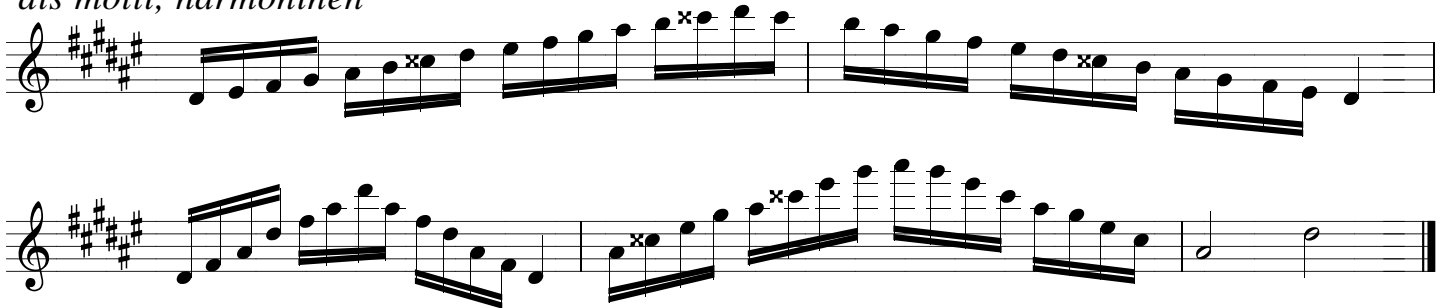
D sharp minor, melodic

dis molli, melodinen



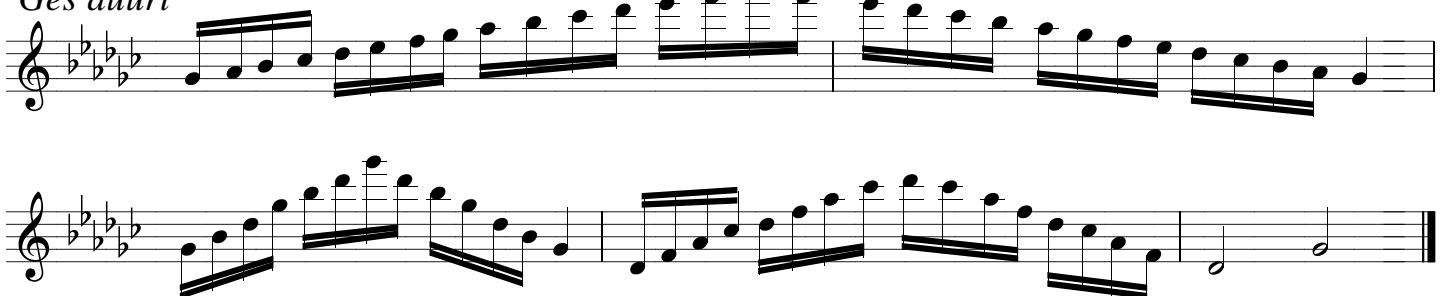
D sharp minor, harmonic

dis molli, harmoninen



G flat major

Ges duuri



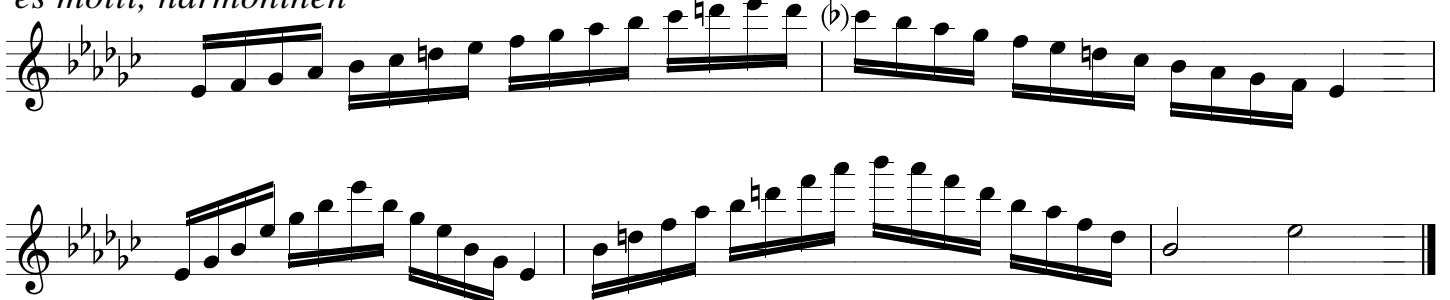
E flat minor, melodic

es molli, melodinen



E flat minor, harmonic

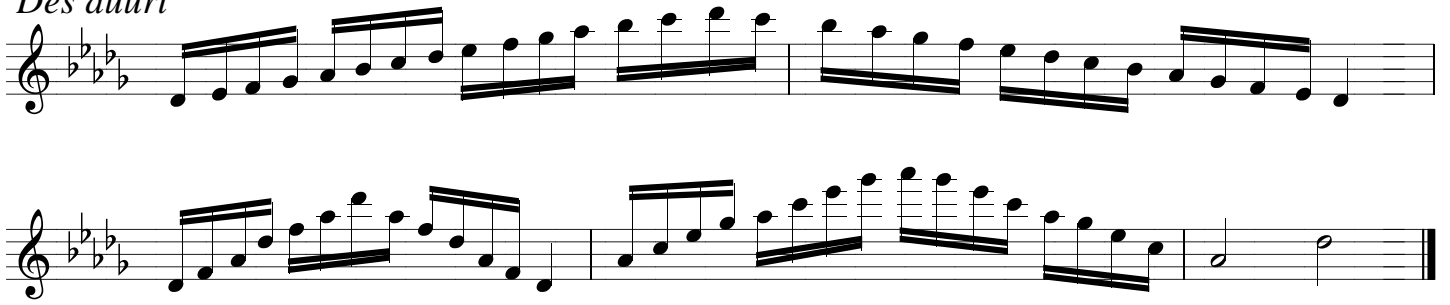
es molli, harmoninen



Basic Flute Technique

D flat major

Des duuri



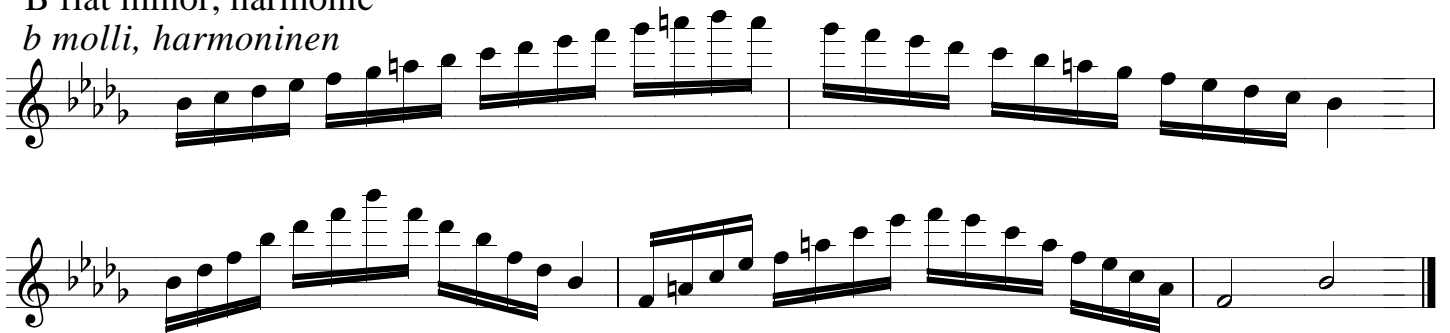
B flat minor, melodic

b molli, melodinen



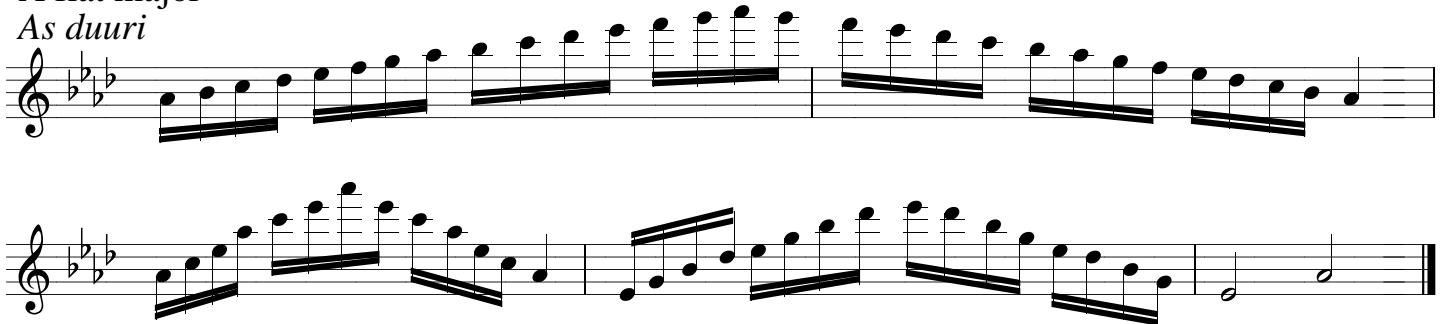
B flat minor, harmonic

b molli, harmoninen



A flat major

As duuri



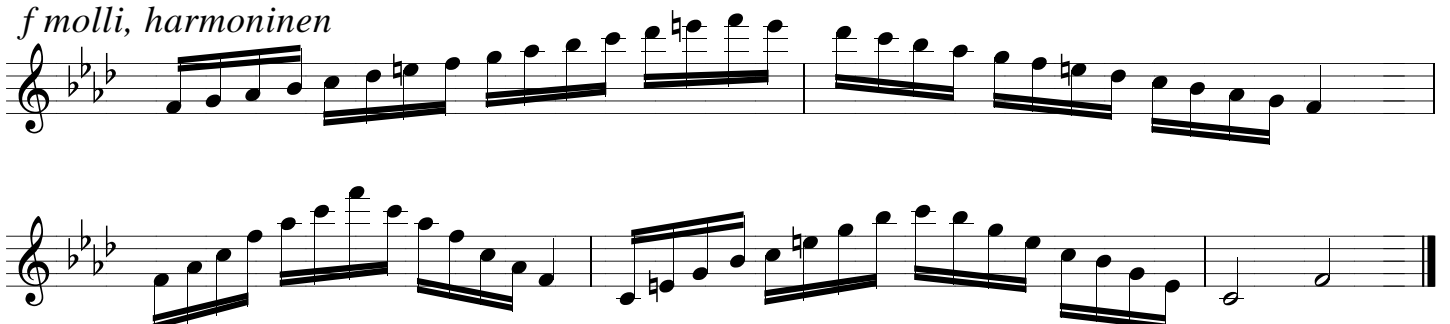
F minor, melodic

f molli, melodinen



F minor, harmonic

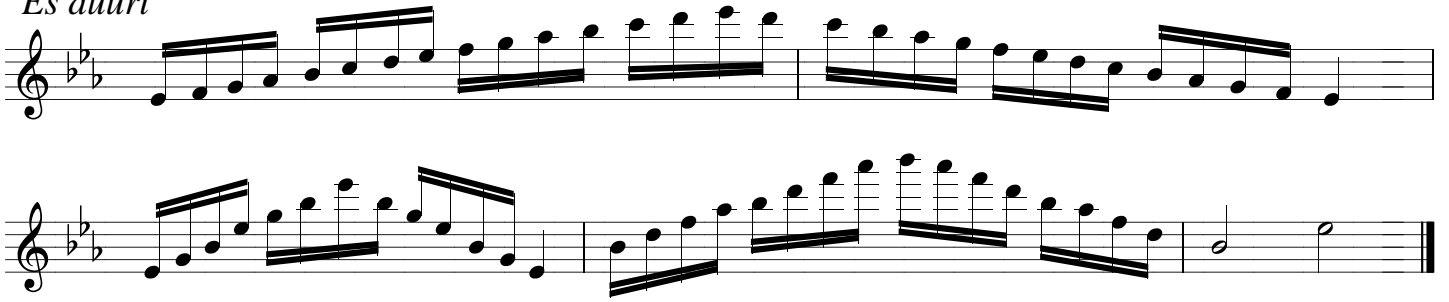
f molli, harmoninen



Basic Flute Technique

E flat major

Es duuri



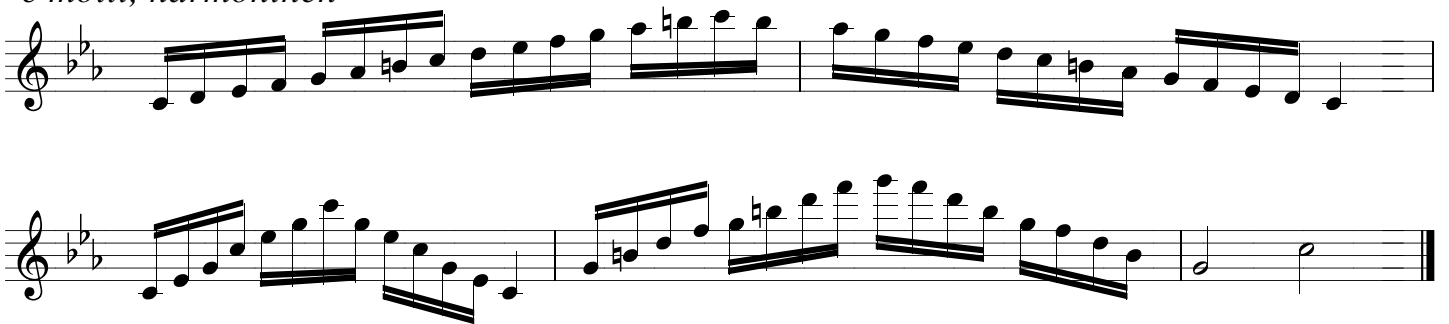
C minor, melodic

c molli, melodinen



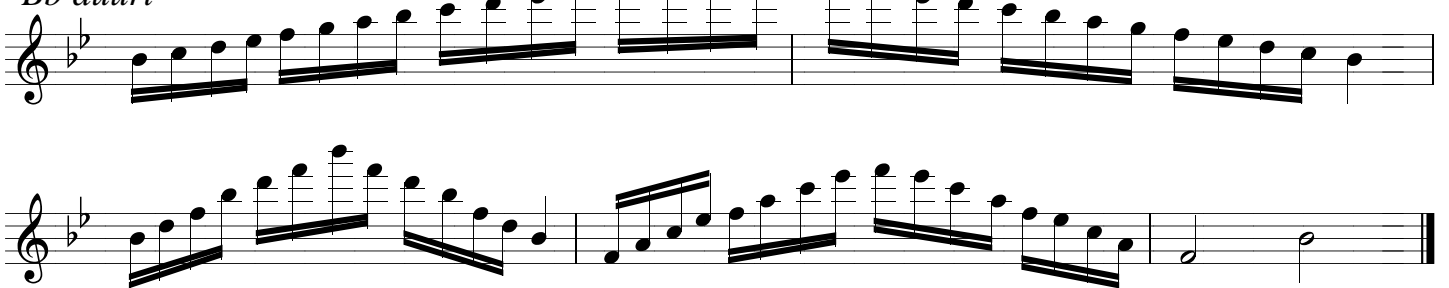
C minor, harmonic

c molli, harmoninen



B flat major

Bb duuri



G minor, melodic

g molli, melodinen



G minor, harmonic

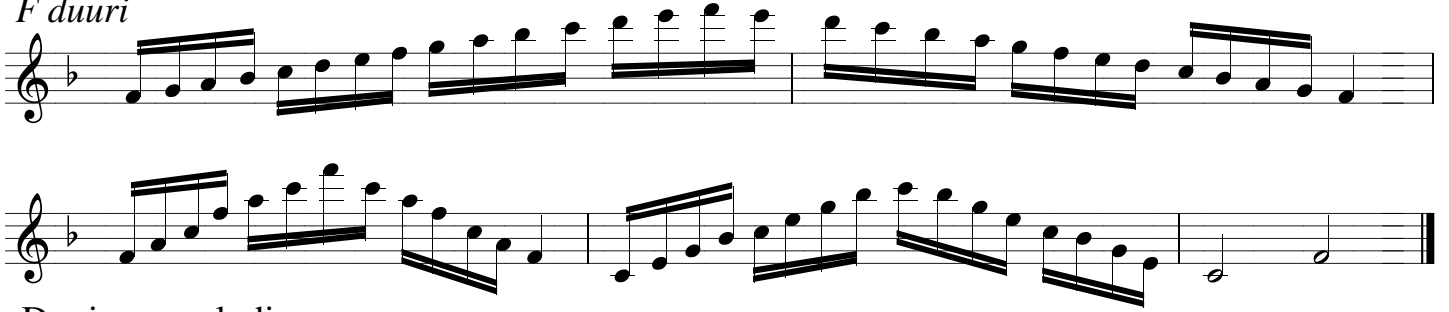
g molli, harmoninen



Basic Flute Technique

F major

F duuri



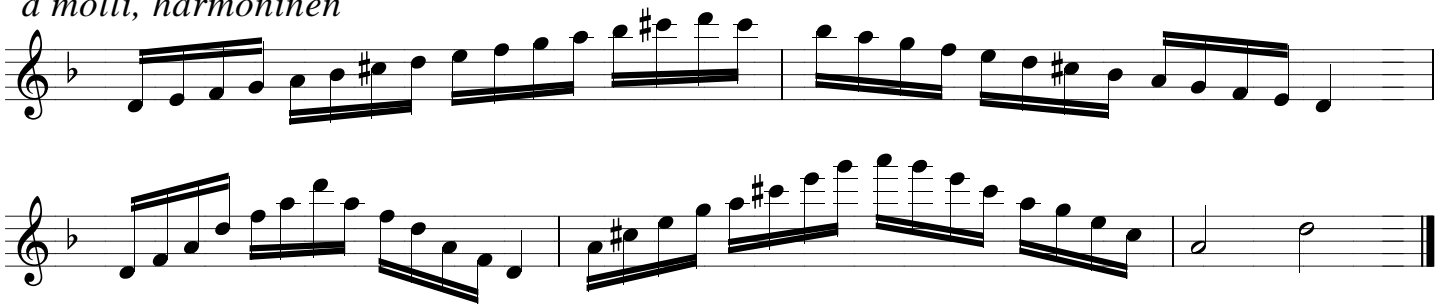
D minor, melodic

d molli, melodinen



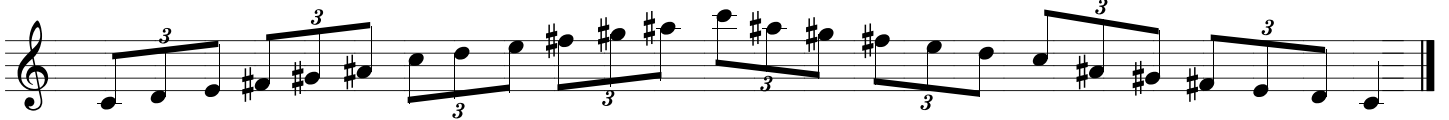
D minor, harmonic

d molli, harmoninen



Whole tone scale 1

kokosävelasteikko 1



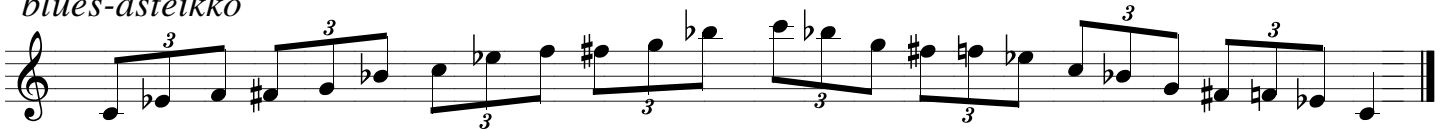
Whole tone scale 2

kokosävelasteikko 2



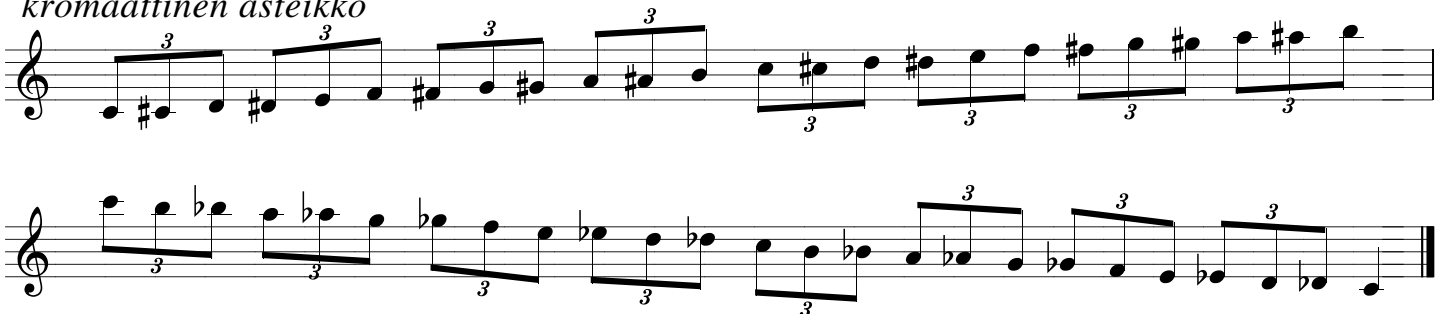
Blues scale

blues-asteikko



Chromatic scale

kromaattinen asteikko



II Technical patterns • Tekniikan peruskuvioita

PATTERN 1, diatonic "step" method

PERUSKUVIO 1, diatoninen etenemisjärjestys

Etc step by step upwards with teacher's advice!
Jne askelettain ylöspäin opettajan harkitsemaan säveleen asti!

PATTERN 1, chromatic step method

PERUSKUVIO 1, kromaattinen etenemisjärjestys

Etc
Jne

PATTERN 2, diatonic step method

PERUSKUVIO 2, diatoninen järjestys

Play this in all keys! Etc
Soita kaikissa sävellajeissa! Jne

PATTERN 2, chromatic step method

PERUSKUVIO 2, kromaattinen järjestys

Etc
Jne

PATTERN 3, diatonic step method

PERUSKUVIO 3, diatoninen järjestys

Etc
Jne

PATTERN 3, chromatic step method

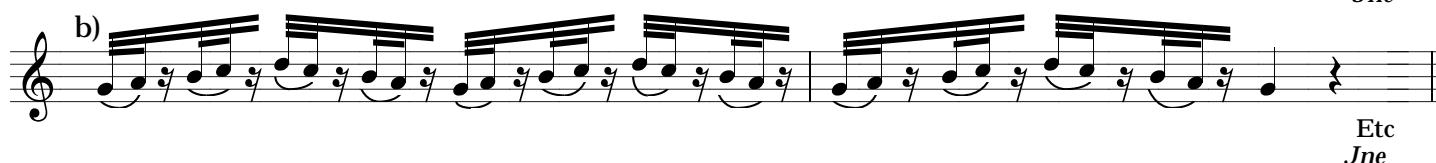
PERUSKUVIO 3, kromaattinen järjestys

Etc
Jne

VARIATIONS OF TECHNICAL PATTERNS **PERUSKUVIOITTEN VARIAATIOITA**

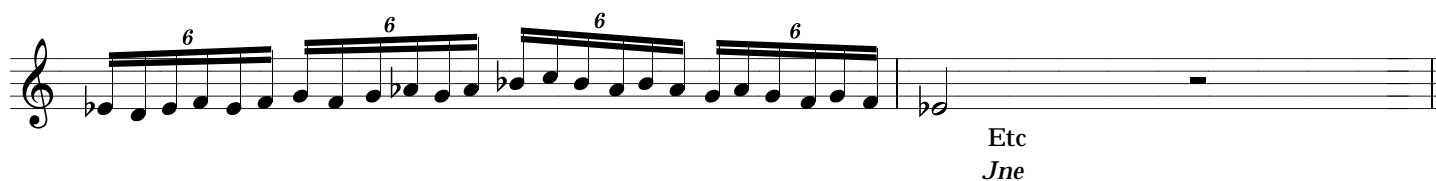
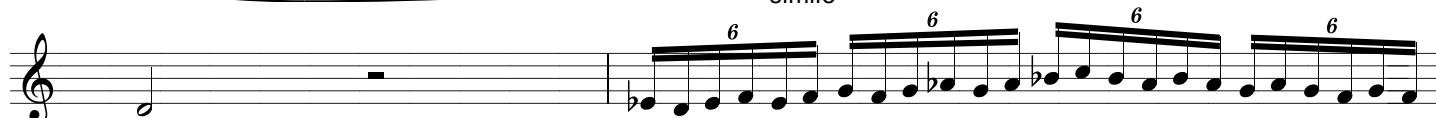
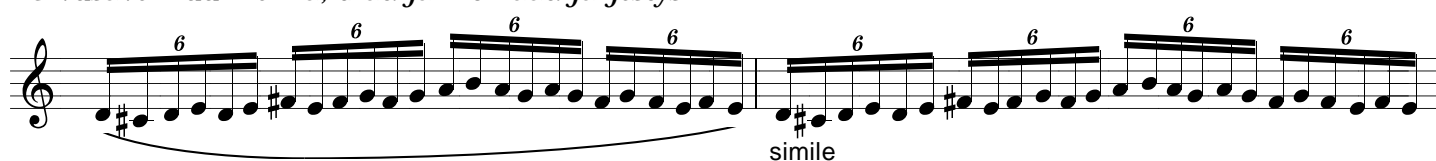
Rhythmic variations, diat. and chrom. step method

Rytmiuunnelmia, diat. ja kromaatt. järjestys



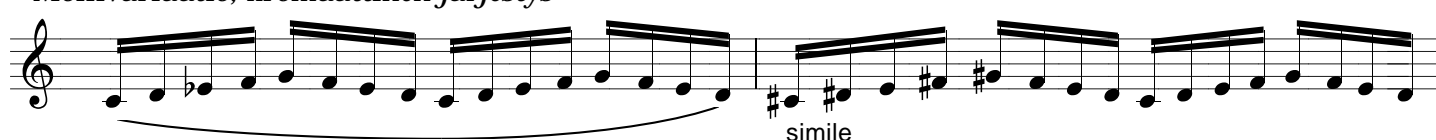
Neighbour tone variations, diat and chrom. step method

Sivusävelmuunnelma, diat. ja kromaatt. järjestys



Minor variations, chrom. step method

Mollivariaatio, kromaattinen järjestys



Minor variations, (harmonic) diat. step method

Mollivariaatio, (harmoninen) diatoninen järjestys



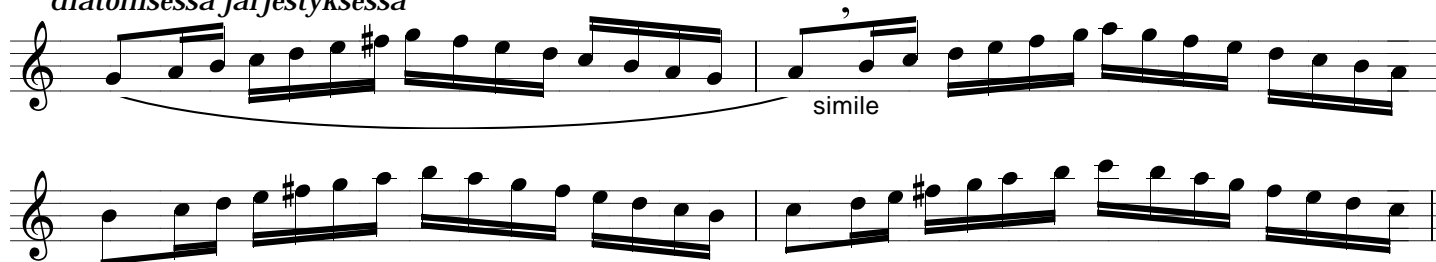
Minor-variation, (harmonic) chrom. step method

Mollivariaatio, (harmoninen) kromaattinen järjestys



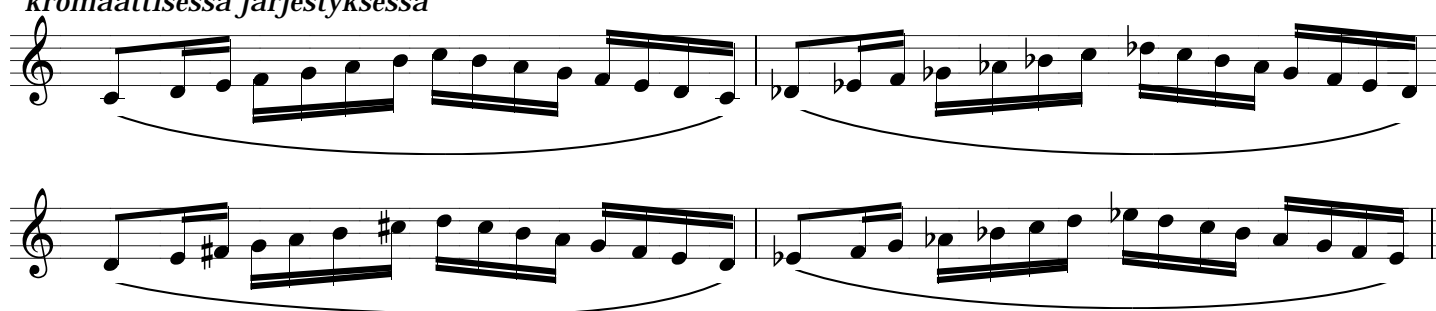
VARIATIONS OF MAJOR SCALES DUURIASTEIKON VARIAATIOITA

Diatonic step method
diatonisessa järjestyksessä



Etc , in all keys and with rhythmic variations!
Jne, kaikki sävellajit, rytmimuunnelmin!

Chromatic step method
kromaattisessa järjestyksessä



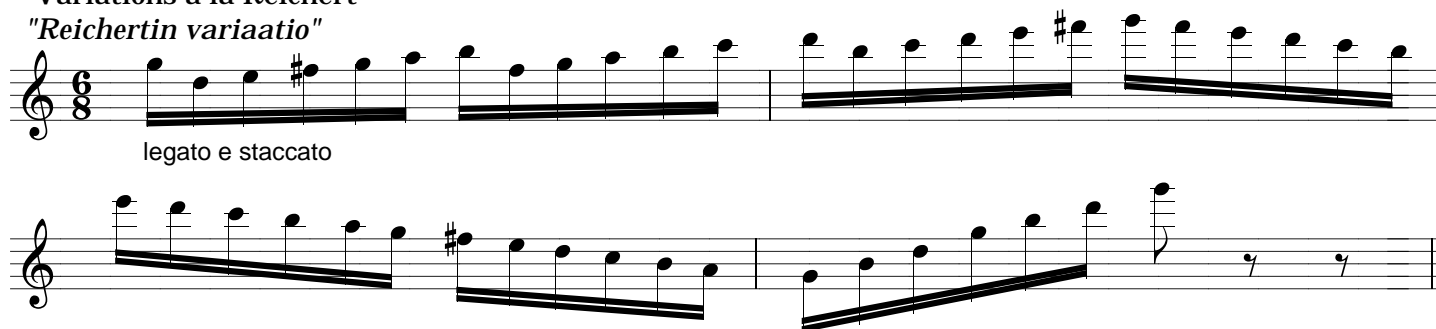
Etc , in all keys and with rhythmic variations!
Jne, kaikki sävellajit, rytmimuunnelmin!

Major thirds
Duuriterssit



Etc , in all keys and with rhythmic variations!
Jne, kaikki sävellajit, rytmimuunnelmin!

"Variations á la Reichert"
"Reichertin variaatio"



Etc , in all keys and with rhythmic variations!
Jne, kaikki sävellajit, rytmimuunnelmin!

VARIATIONS OF THE CHROMATIC SCALE KROMAATTISEN ASTEIKON VARIAATIOITA

Neighbour tone variations

Sivusävelmuunnelma

legato

Etc
Jne

Variations á la Moyse"

Moysen muunnelma"

legato

Etc
Jne

Chromatic step method

Kromaattinen etenemisjärjestys

ad lib
8va

Etc
Jne

Etc
Jne

WHOLE TONE SCALES KOKOSÄVELASTEIKOT

1) *legato e staccato*

2)

CHORDS SOINTUJA

Major chords, chrom. step method

Duurikolmisointuja, kromaattinen järjestys

simile

Etc
Jne

Minor chords, chrom. step method

Mollikolmisointuja, kromaattinen järjestys

simile

Etc
Jne

Dominant seventh chords, chrom. step method

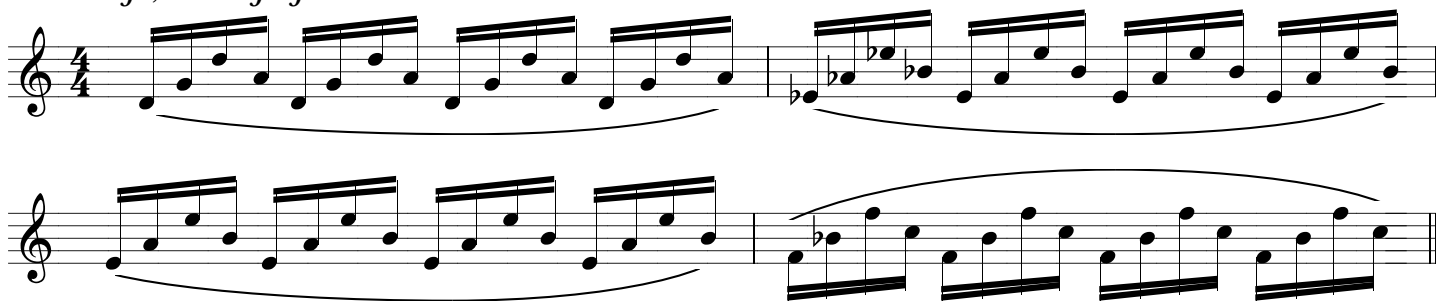
Dominanttiseptimisointuja, kromaattinen järjestys

simile

Etc
Jne

Fourths, chrom. step method

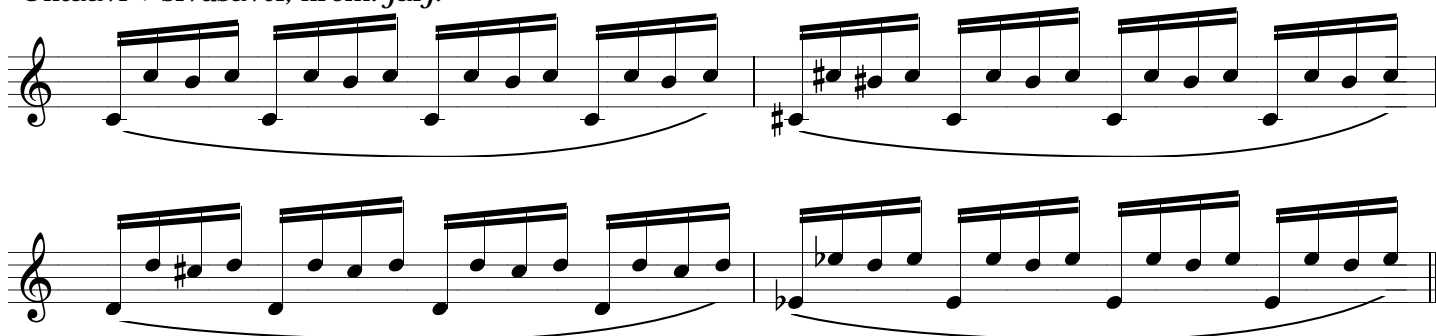
Kvartteja, krom. järj.



Etc
Jne

Octaves and neighbour tones, chrom. step method

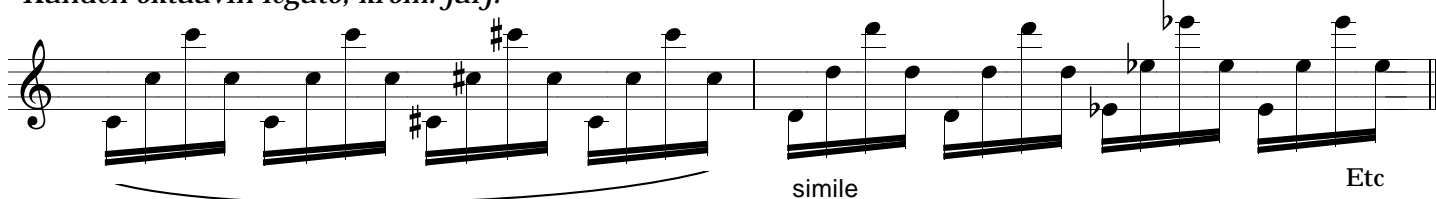
Oktaavi + sivusävel, krom. järj.



Etc
Jne

Two octaves in legato, chrom. step method

Kahden oktaavin legato, krom. järj.

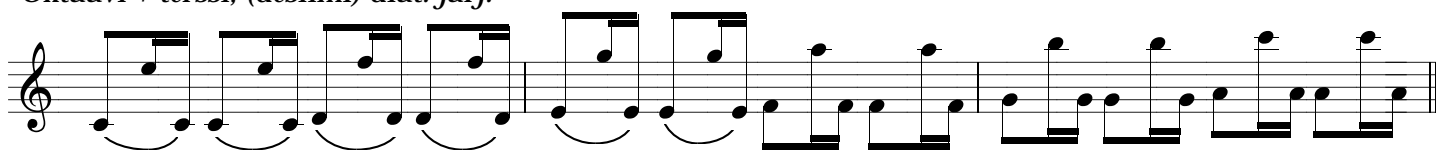


simile

Etc
Jne

Tenths, diat. step method

Oktaavi + terssi, (desiimi) diat. järj.

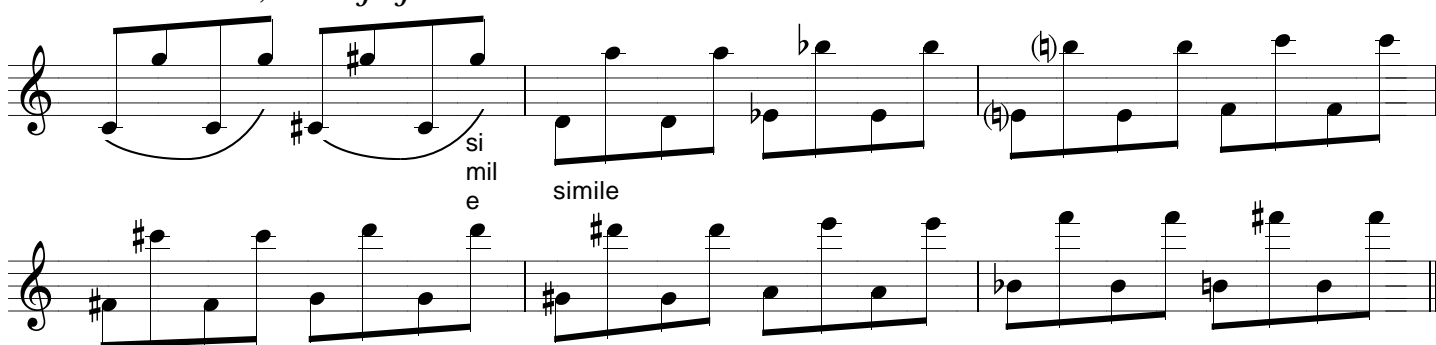


simile

Etc
Jne

Octave + fifth, chrom. step method

Oktaavi + kvintti, krom. järj.



si
mil
e

simile

Etc
Jne

III Interval studies • Intervalliharjoituksia

Minimalistic etude 1 • *Minimalistinen etydi 1*

Tempo ad lib.

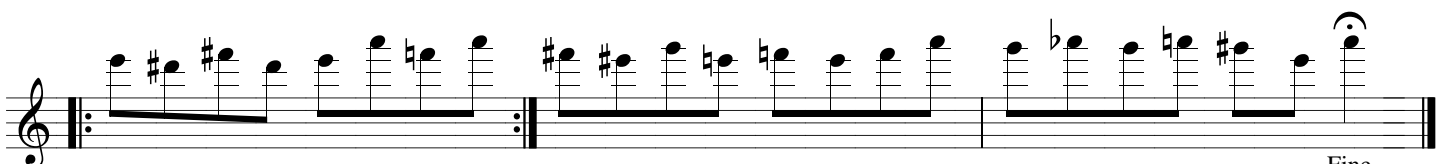
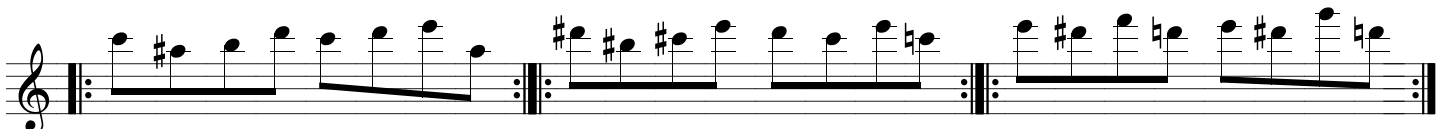


Repeat very many times changing the dynamics

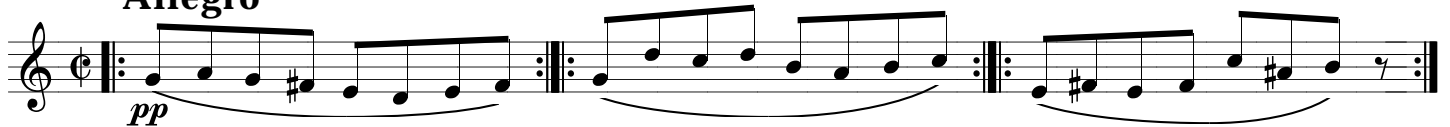
Kerrataan erittäin monta kertaa, muunnellen nyansseja



simile



Fine

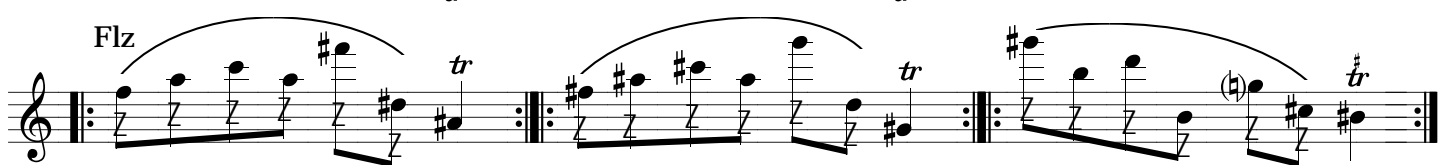
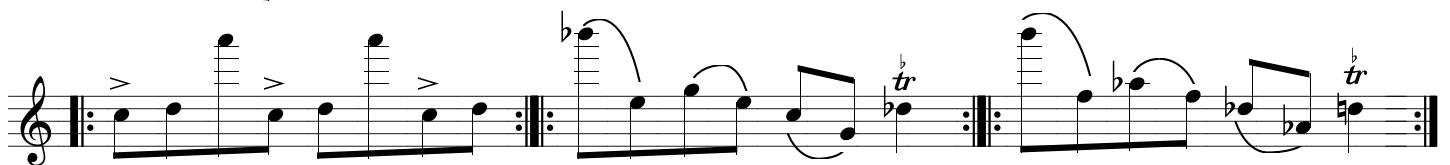
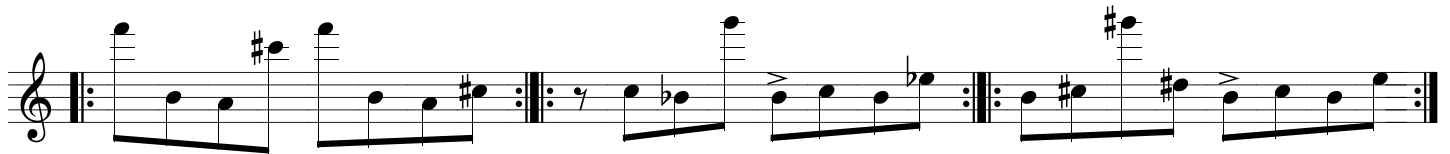
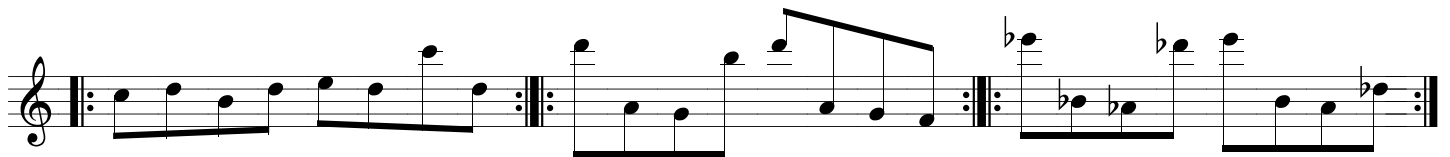
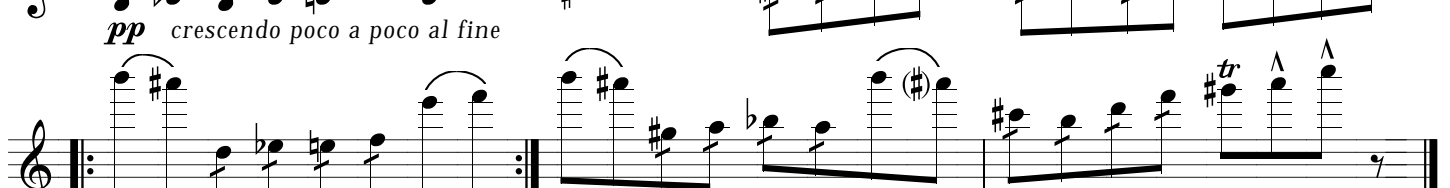
Minimalistic etude 2 • *Minimalistinen etydi 2***Allegro***pp*

Think of as many variations as you can! Remember to take breaks from playing to avoid strain injuries!

Soita etydiä muunnellen! Muista pitää taukoja, jotta välttyisit rasitusvammoilta!



simile

*pp* crescendo poco a poco al fine*ff*

Fine

Good Morning, Flute! • *Hyvää huomenta, huilu!*

Prestissimo

The Prestissimo section consists of 12 staves of music in 2/4 time. It begins with a treble clef and a key signature of one sharp (F#). The first staff starts with a mezzo-piano (*mp*) dynamic. The music features rapid sixteenth-note runs, often beamed in groups of four. There are several repeat signs (double bar lines with dots) throughout the section. The dynamics vary, including *mp*, *f* (forte), and *p* (piano). The section concludes with a final repeat sign.

Stretto

The Stretto section consists of 6 staves of music in 2/4 time, continuing from the Prestissimo section. It begins with a treble clef and a key signature of one sharp (F#). The first staff includes the instruction *crescendo poco a poco*. The music continues with rapid sixteenth-note runs and beamed notes. The section ends with a final staff that concludes with a *ff* (fortissimo) dynamic and the word **BRAVO!**.

Basic Flute Technique

Augmented fourths and Diminished fifths

Ylinousevia kvartteja ja vähennettyjä kvinttejä

This musical exercise is written in 4/4 time and consists of four staves. The first staff begins with a treble clef and a key signature of one sharp (F#). It features a series of eighth-note triplets, with a slur and accent over the first triplet. A bracket labeled "simile" spans the first two staves. The second staff continues the triplet pattern. The third and fourth staves introduce more complex rhythmic patterns, including triplets and sixteenth-note runs, with various accidentals (sharps, flats, naturals) and slurs.

Octaves and sevenths

Oktaaveja ja septimejä

This musical exercise is written in 2/4 time and consists of two staves. The first staff begins with a treble clef and a key signature of one sharp (F#). It features a series of eighth-note pairs, with a slur and accent over the first pair. A bracket labeled "6" spans the first two staves. The second staff continues the eighth-note pairs, with various accidentals and slurs.

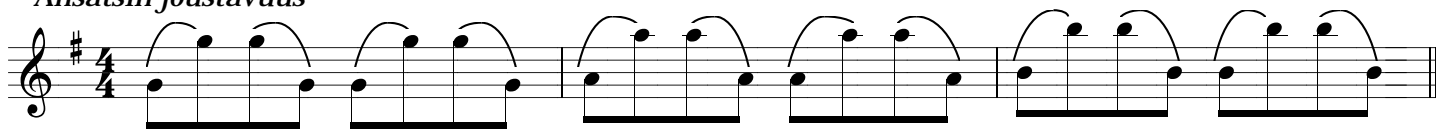
Other large intervals

Muita suuria intervaleja

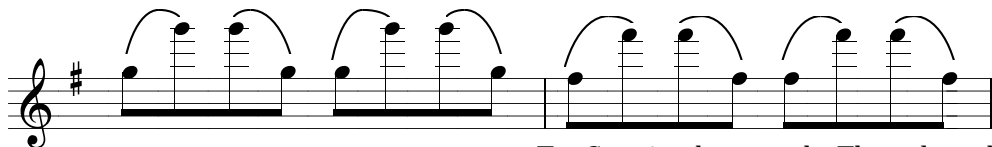
This musical exercise is written in 4/4 time and consists of four staves. The first staff begins with a treble clef and a key signature of one sharp (F#). It features a series of eighth-note pairs, with a slur and accent over the first pair. A bracket labeled "6" spans the first two staves. The second staff continues the eighth-note pairs, with various accidentals and slurs. The third and fourth staves introduce more complex rhythmic patterns, including triplets and sixteenth-note runs, with various accidentals and slurs.

IV Tone studies • Ääniharjoituksia

Flexible embouchure
Ansatsin joustavuus



Etc G-major upwards

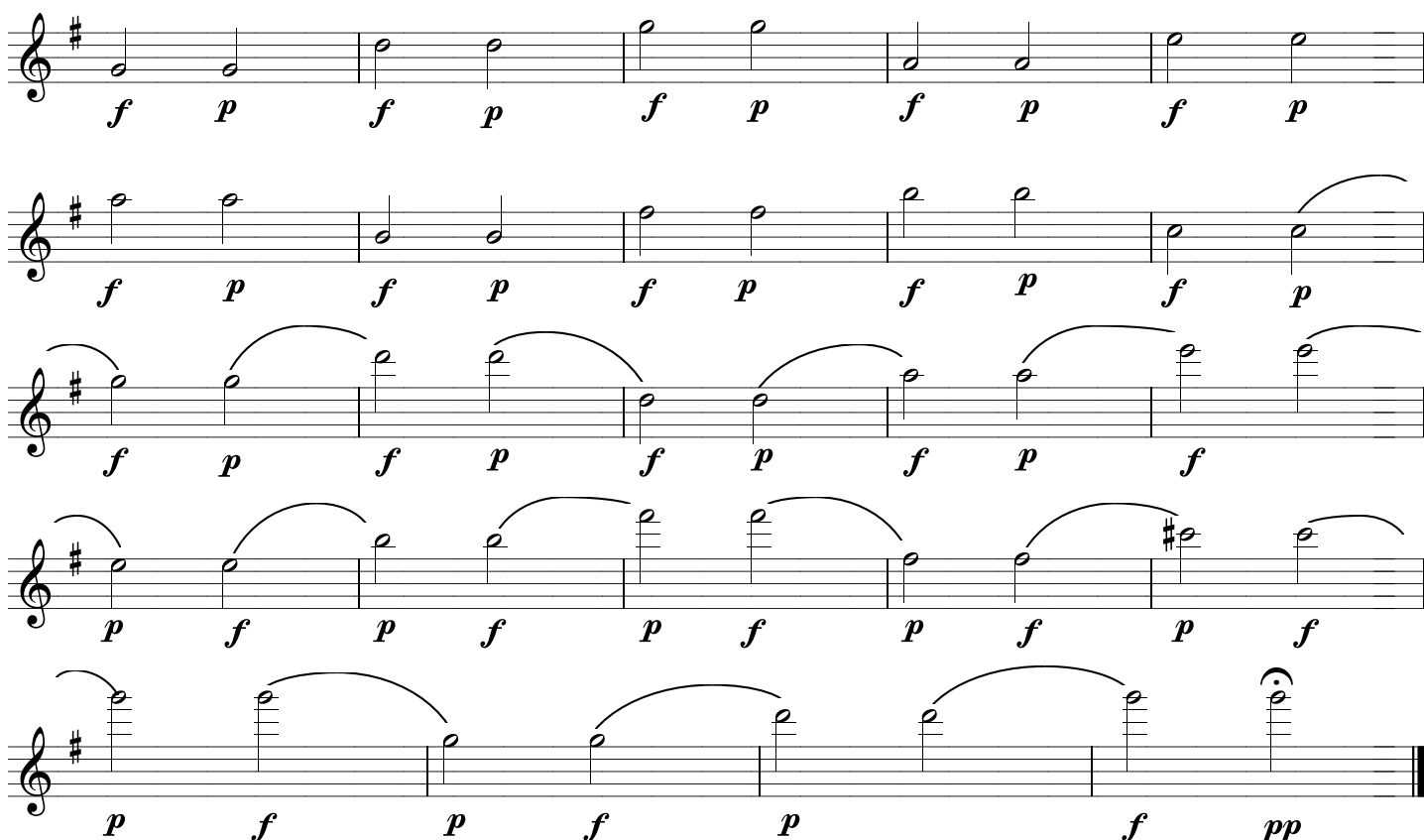


Etc G-major downwards. Then play other keys in the same way!
Jne G-duuria alaspäin. Sitten muita sävellajeja samalla tavalla!

Tone quality exercise, also "test your flute"-exercise
Tasaisen äänenlaadun tarkkailukuvio, sekä "huilun testikuvio"



Pitch control in varied dynamics
Säveltason tarkkailu eri voimakkuusasteilla



Basic Flute Technique

Intonation and diminuendo exercise

Intervallipuhtaus- ja diminuendo-harjoitus

Pitch control with octave harmonic tones

Säveltason tarkistus oktaaviflageolettien avulla

Attack without tongue, "P"

Aluke ilman kieltä, "P"

Clear and quiet attack

Selkeä ja hiljainen aлуe

Large intervals intonation

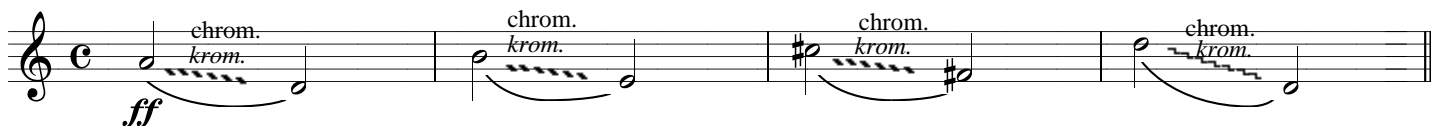
Isojen intervallien sävelpuhtaus

Listen for intonation; drop the higher tones down if necessary!

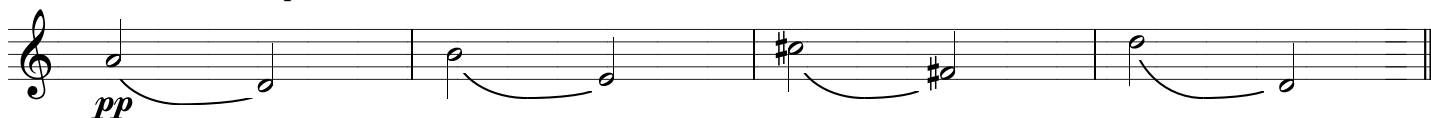
Tarkkaile sävelpuhtautta: pudota ylempien sävelten tasoa tarvittaessa!

Basic Flute Technique

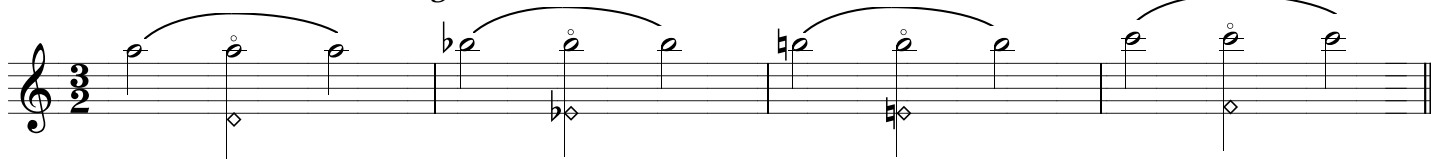
Low tones sonority exercise *Matalien sävelten voimistusharjoitus*



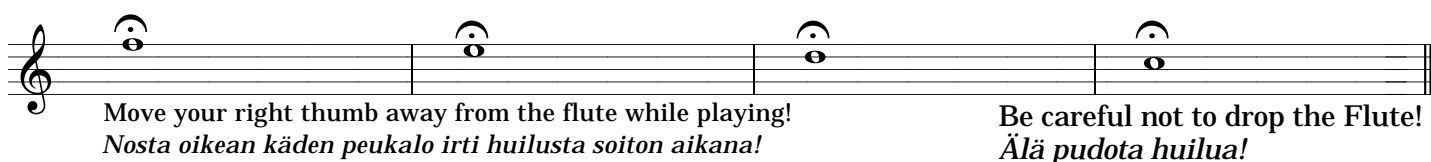
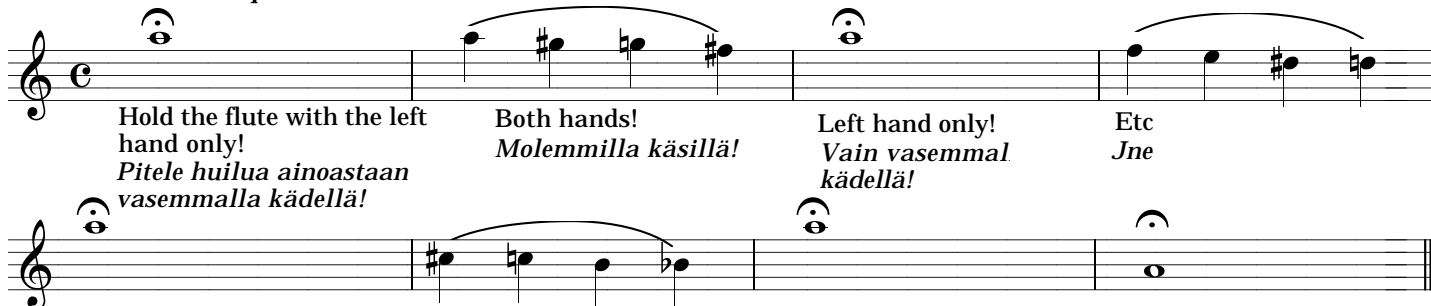
Low tones intonation *Matalien sävelten puhtaus*



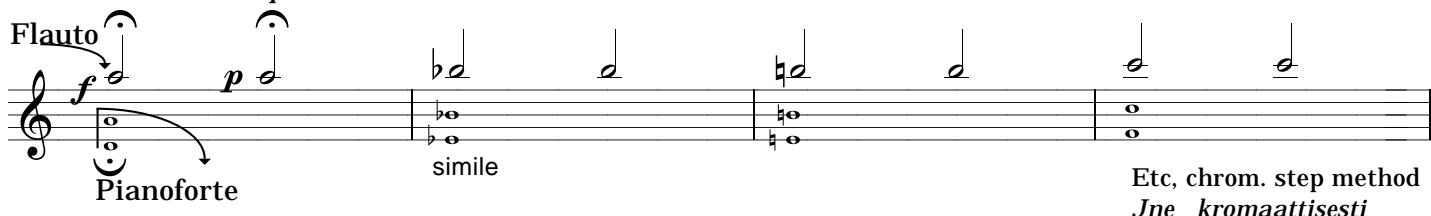
Pitch control with fifths harmonic tones *Säveltason tarkistus kvinttiflageolettien avulla*



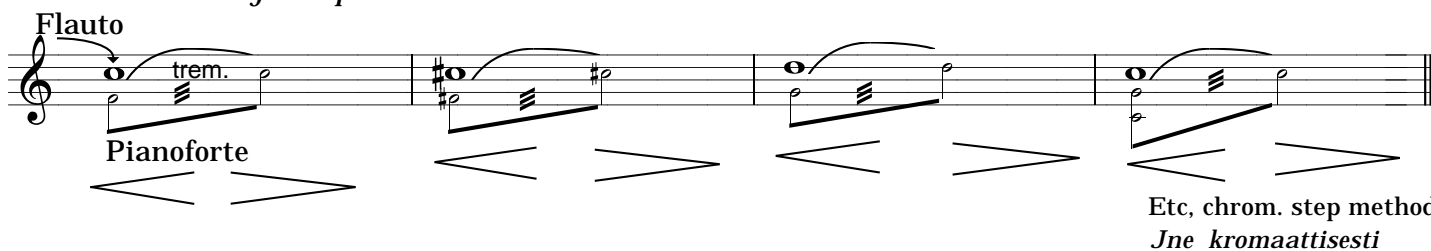
Balancing the flute *Huiluotteen tasapaino*



Intonation exercise with piano *Säveltarkistukset pianon avulla*



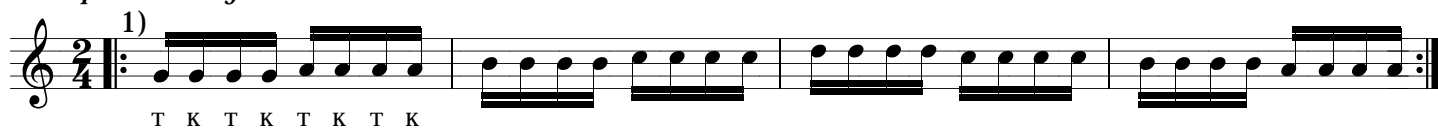
Cresc-Dim. exercise with piano *Cresc./ dim.-harjoitus pianon avulla*



V Other exercises • Muita harjoituksia

Double-tonguing exercises

Tuplakieliharjoituksia



Etc upwards chromatically
Jne kromaattisesti ylöspäin



Etc upwards chromatically
Jne kromaattisesti ylöspäin



Etc upwards chromatically
Jne kromaattisesti ylöspäin

Variations of triple-tonguing

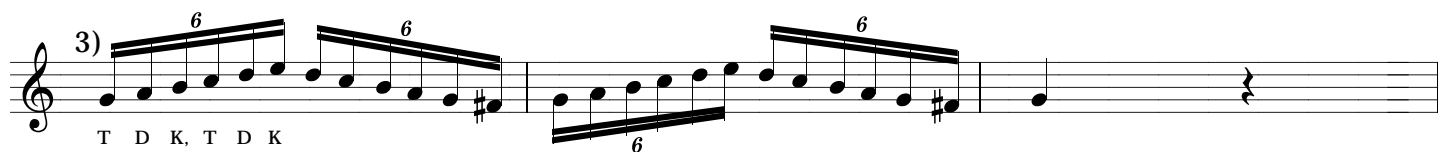
Triplakieliuunnelmia



Etc upwards chromatically
Jne kromaattisesti ylöspäin



Etc upwards chromatically
Jne kromaattisesti ylöspäin



Etc upwards chromatically
Jne kromaattisesti ylöspäin

Very fast double-tonguing

Erittäin nopea tuplakieli



(♩ = 100)

Etc upwards chromatically
Jne kromaattisesti ylöspäin

Basic Flute Technique

Examples of variations on Reichert's exercise

Variaatioesimerkkejä Reichertin harjoituksesta

1) (♩ = 120)

Exercise 1 consists of four staves of music. The first staff contains measures 1-4, the second staff measures 5-8, the third staff measures 9-12, and the fourth staff measures 13-16. The exercise is in 2/4 time with a tempo of 120 beats per minute. It features a continuous eighth-note pattern across all staves.

Etc
Jne

2)

Exercise 2 consists of three staves of music. The first staff contains measures 1-4, the second staff measures 5-8, and the third staff measures 9-12. The exercise is in 2/4 time. It features a continuous eighth-note pattern with various accidentals (sharps and naturals) and slurs. The first measure of each staff has a '6' below it, indicating a sixteenth-note pattern.

Etc
Jne

3)

Exercise 3 consists of four staves of music. The first staff contains measures 1-4, the second staff measures 5-8, the third staff measures 9-12, and the fourth staff measures 13-16. The exercise is in 2/4 time. It features a continuous eighth-note pattern with various accidentals (sharps, flats, and naturals) and slurs. The first measure of the first staff has 'stacc' written below it, indicating staccato articulation.

Etc
Jne

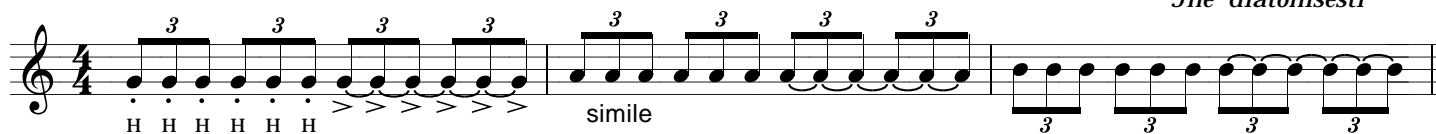
Basic Flute Technique

Vibrato exercise without tongue attack

Vibratoharjoitus ilman kielialuketta



Etc diatonally
Jne diatonisesti



Rhythmic vibrato

Rytmivibrato

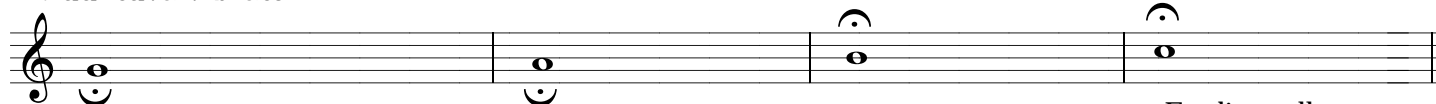
Aim for:
Tavoite: ♩ = 96



Etc diatonally
Jne diatonisesti

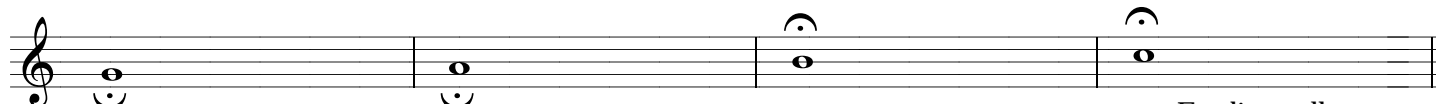
Variable vibrato

Muuntuva vibrato



1. Start from a steady tone, then add bigger and bigger vibrato waves
Aloita suorasta äänestä, lisää astettain yhä suurempia vibraton aaltoja

Etc diatonally
Jne diatonisesti



2. Start from a steady tone, then add faster and faster vibrato waves
Aloita suorasta äänestä, lisää astettain vibraton aaltoja yhä tiheämmin

Etc diatonally
Jne diatonisesti

Irregular vibrato waves

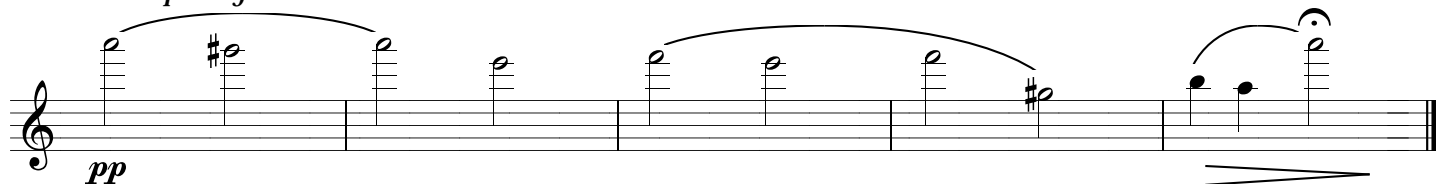
Epäsäännöllisiä aaltotiheykiä



Etc diatonally
Jne diatonisesti

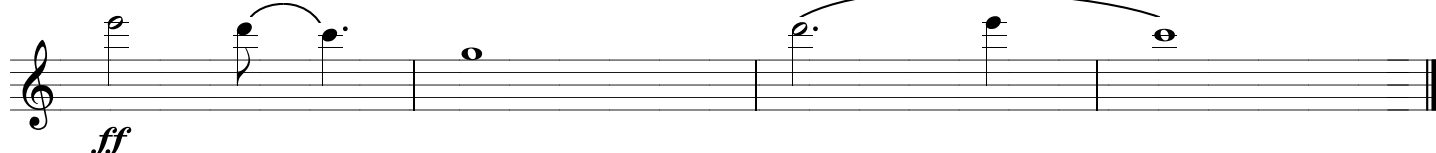
Very small and frequent vibrato

Erittäin pieni ja tiheä vibrato



Strong vibrato

Voimakas vibrato





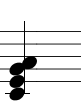



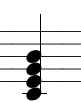



Normal vibrato, listen for the sonority in a quiet dynamic, "shouting whisper"

Normaali vibrato ja hiljaisen nyanssin kantavuus, "huutava kuiskaus"

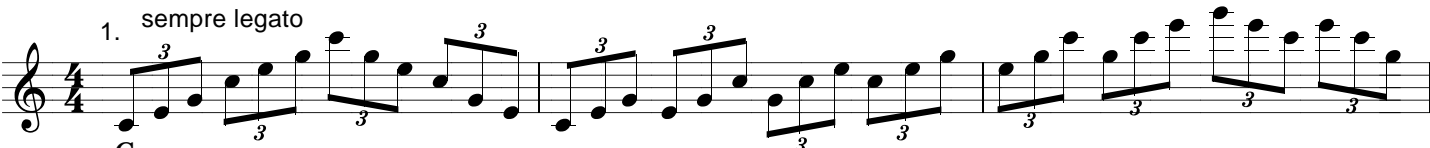


dolce e cantabile

VI Chord exercises • Sointuharjoituksia

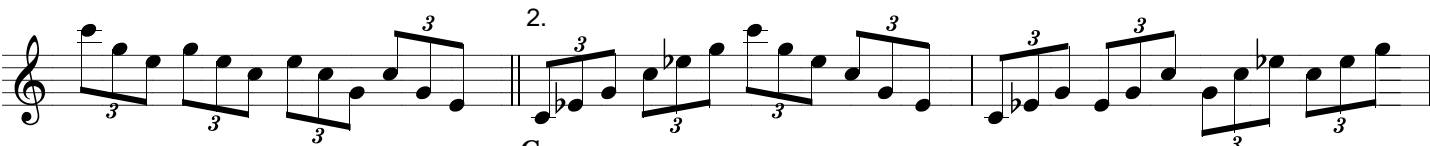
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
									
C	Cm	C ⁶	Cm ⁶	C ⁷	Cm ⁷	Cmaj ⁷	Cm(maj ⁷)	Cdim	C+

1. *sempre legato*



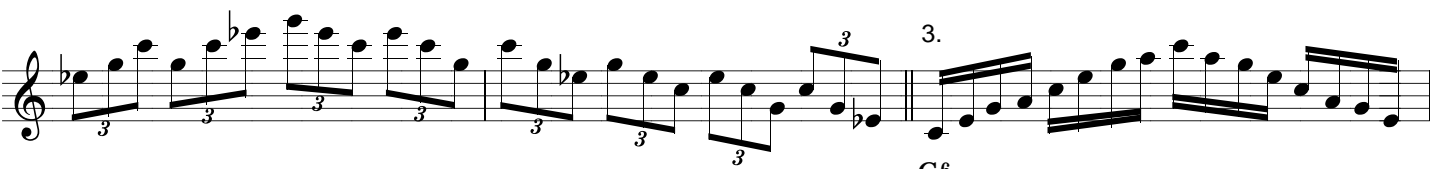
C

2.

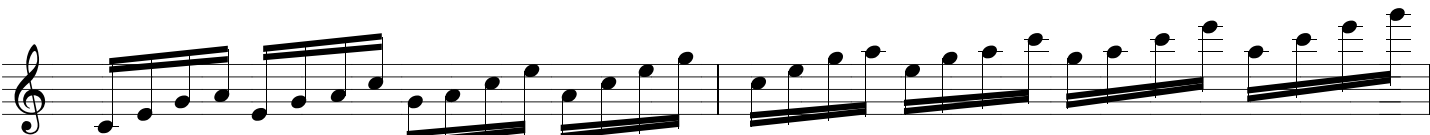



Cm

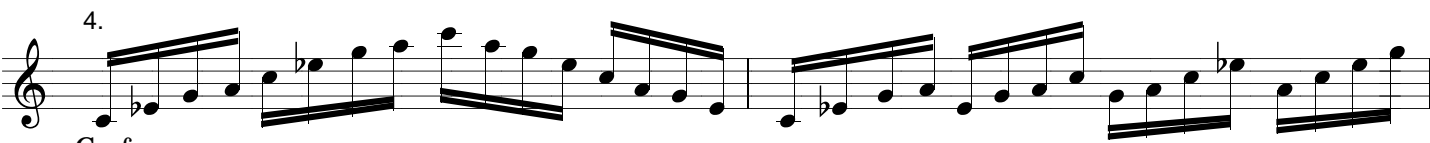
3.



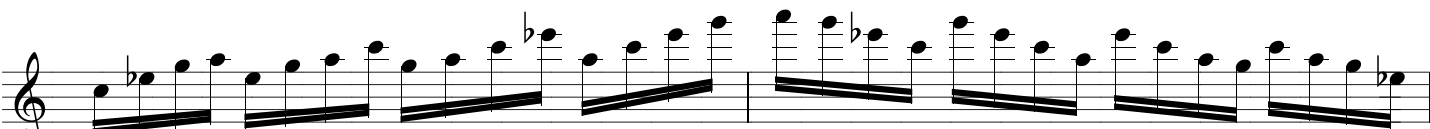
C⁶


4.



Cm⁶



5.



C⁷



Basic Flute Technique

6.

Cm⁷

7.

Cmaj⁷

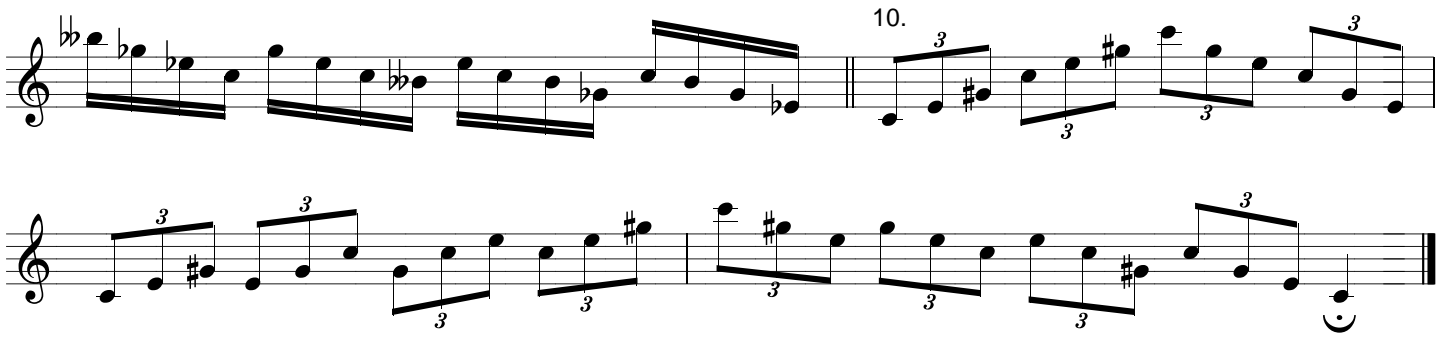
8.

Cm(maj7)

9.

Cdim

Basic Flute Technique



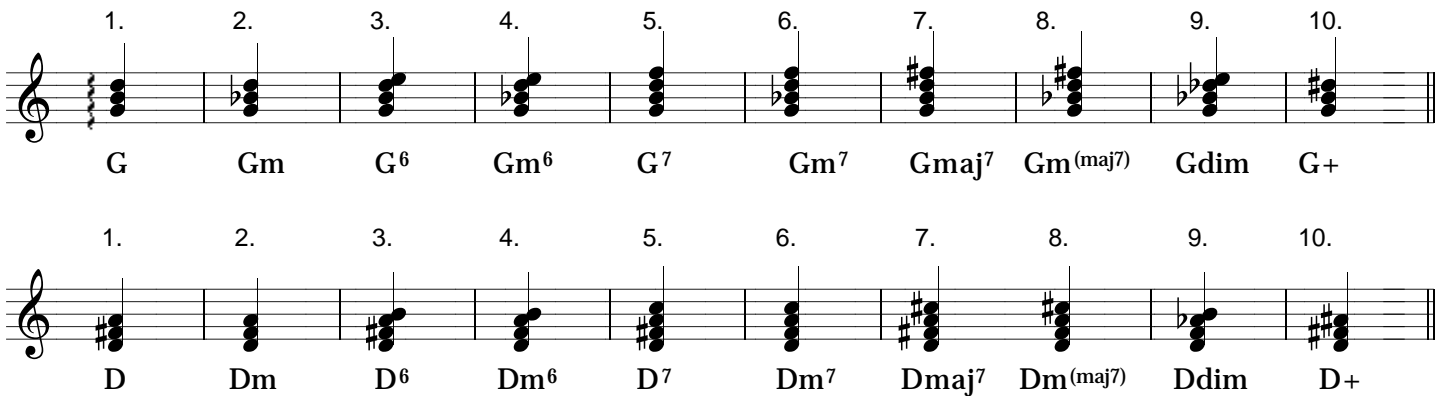
Diatonic chord sequence

Diatoninen kolmisointusekvenssi



Practice all keys using this Chord Exercise system!

Harjoittele muutkin sävellajit edellä olevan mallin mukaan!



Basic Flute Technique

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
A	Am	A ⁶	Am ⁶	A ⁷	Am ⁷	Amaj ⁷	Am(maj7)	Adim	A+
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
E	Em	E ⁶	Em ⁶	E ⁷	Em ⁷	Emaj ⁷	Em(maj7)	Edim	E+
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
B	Bm	B ⁶	Bm ⁶	B ⁷	Bm ⁷	Bmaj ⁷	Bm(maj7)	Bdim	B+
(Anglosaksinen B = H !)									
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
F [#]	F [#] m	F ^{#6}	F [#] m ⁶	F ^{#7}	F [#] m ⁷	F [#] maj ⁷	F [#] m(maj7)	F [#] dim	F [#] +
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
F	Fm	F ⁶	Fm ⁶	F ⁷	Fm ⁷	Fmaj ⁷	Fm(maj7)	Fdim	F+
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
B ^b	B ^b m	B ^{b6}	B ^b m ⁶	B ^{b7}	B ^b m ⁷	B ^b maj ⁷	B ^b m(maj7)	B ^b dim	B ^b +
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
E ^b	E ^b m	E ^{b6}	E ^b m ⁶	E ^{b7}	E ^b m ⁷	E ^b maj ⁷	E ^b m(maj7)	E ^b dim	E ^b +
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
A ^b	A ^b m	A ^{b6}	A ^b m ⁶	A ^{b7}	A ^b m ⁷	A ^b maj ⁷	A ^b m(maj7)	A ^b dim	A ^b +
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
D ^b	D ^b m	D ^{b6}	D ^b m ⁶	D ^{b7}	D ^b m ⁷	D ^b maj ⁷	D ^b m(maj7)	D ^b dim	D ^b +

VII Trill chart • Trillitaulukko

See the numbering of Keys, page 38

Katso läppien numerointi, sivu 38

Basic Flute Technique

Trill exercises on the treble clef staff. Each exercise shows a trill (tr) on a specific note, followed by a fingering diagram. The notes and fingerings are:

- Trill on D4 (F#): Fingering 7 (bottom), 6 (top), trill.
- Trill on E4 (F): Fingering 7 (bottom), trill (top), 1 (middle).
- Trill on F4 (F#): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on G4 (F#): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on A4 (F): Fingering 1 (bottom), trill (top), 1 (middle).

Trill exercises on the treble clef staff. Each exercise shows a trill (tr) on a specific note, followed by a fingering diagram. The notes and fingerings are:

- Trill on B4 (F#): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on C5 (F#): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on D5 (F): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on E5 (F#): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on F5 (F): Fingering 1 (bottom), trill (top), 1 (middle).

Trill exercises on the treble clef staff. Each exercise shows a trill (tr) on a specific note, followed by a fingering diagram. The notes and fingerings are:

- Trill on G5 (F#): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on A5 (F): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on B5 (F#): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on C6 (F#): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on D6 (F): Fingering 2 (bottom), trill (top), 1 (middle).

Trill exercises on the treble clef staff. Each exercise shows a trill (tr) on a specific note, followed by a fingering diagram. The notes and fingerings are:

- Trill on E6 (F#): Fingering 2 (bottom), trill (top), 1 (middle).
- Trill on F6 (F): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on G6 (F#): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on A6 (F): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on B6 (F#): Fingering 1 (bottom), trill (top), 1 (middle).

Trill exercises on the treble clef staff. Each exercise shows a trill (tr) on a specific note, followed by a fingering diagram. The notes and fingerings are:

- Trill on C7 (F#): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on D7 (F): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on E7 (F#): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on F7 (F): Fingering 1 (bottom), trill (top), 1 (middle).
- Trill on G7 (F#): Fingering 1 (bottom), trill (top), 1 (middle).

Basic Flute Technique

The page contains five systems of exercises, each consisting of a musical staff and a corresponding fingering diagram.

- System 1:** Musical staff shows five trills starting on G4 (F#4, Gb4, Gb4, F#4, G4). Fingering diagrams show: 1) G4 trill (5 tr, 6 tr); 2) G4 trill (6 tr); 3) G4 trill (tr); 4) G4 trill (3 tr); 5) G4 trill (3 tr).
- System 2:** Musical staff shows five trills starting on A4 (A, Bb, Bb, A, A). Fingering diagrams show: 1) A4 trill (tr); 2) A4 trill (tr); 3) A4 trill (tr); 4) A4 trill (tr); 5) A4 trill (tr).
- System 3:** Musical staff shows five trills starting on B4 (B, Cb, Cb, B, B). Fingering diagrams show: 1) B4 trill (tr); 2) B4 trill (5 tr); 3) B4 trill (tr, 5 tr); 4) B4 trill (3 tr, 5 tr); 5) B4 trill (3 tr, 5 tr, 6 tr).
- System 4:** Musical staff shows five trills starting on C5 (C, Db, Db, C, C). Fingering diagrams show: 1) C5 trill (tr); 2) C5 trill (tr); 3) C5 trill (tr, 5 tr); 4) C5 trill (tr); 5) C5 trill (tr).
- System 5:** Musical staff shows five trills starting on D5 (D, Eb, Eb, D, D). Fingering diagrams show: 1) D5 trill (tr); 2) D5 trill (tr); 3) D5 trill (tr, 5 tr); 4) D5 trill (tr); 5) D5 trill (tr).

Tremolando in thirds
Terssitemolo

The image displays a musical score for guitar, organized into six systems. Each system consists of a melodic staff (treble clef) and a corresponding guitar chord diagram below it. The diagrams illustrate various techniques, including trills (tr), and specify fingerings (1-4) and dynamics (pp, ff). The score is divided into measures by bar lines, with some measures containing multiple diagrams for complex techniques.

System 1: Five measures. Each measure has a single diagram. Dynamics: *pp*, *pp*, *ff*, *ff*. Trills: 5 tr, 6 tr, 5 tr, 6 tr, 5 tr, 6 tr.

System 2: Five measures. Each measure has a single diagram. Trills: 8 tr, 8 tr, 5 tr, 6 tr, 3 tr, 5 tr, 5 tr, 6 tr.

System 3: Five measures. Each measure has a single diagram. Trills: 8 tr, 8 tr, 8 tr, 8 tr, 8 tr.

System 4: Four measures. Each measure has a single diagram. Trills: 3 tr, 3 tr, 3 tr, 3 tr.

System 5: Four measures. Each measure has a single diagram. Trills: 2 tr, 2 tr, 2 tr, 2 tr.

System 6: Four measures. Each measure has a single diagram. Trills: 1 tr, 1 tr, 1 tr, 1 tr.

XIII Micro intervals • Mikrointervalleja

Quarter-tone fingering chart for French-model flute

Neljännessävelaskeleitten sormitustaulukko avoläppähuilulle

♯ = quarter sharp / neljänneskorotus

♭ = quarter flat / neljännesalennus

First staff of the fingering chart. It shows notes on a treble clef staff with quarter sharp and quarter flat intervals. Fingerings are indicated by black dots (finger down) and white circles (finger up). Finger numbers 1, 7, and 9 (10) are shown.

Second staff of the fingering chart. It shows notes on a treble clef staff with quarter sharp and quarter flat intervals. Fingerings are indicated by black dots (finger down) and white circles (finger up). Finger numbers 1, 3, 7, and 9 are shown.

Third staff of the fingering chart. It shows notes on a treble clef staff with quarter sharp and quarter flat intervals. Fingerings are indicated by black dots (finger down) and white circles (finger up). Finger numbers 1, 7, 8, and 9 are shown.

Fourth staff of the fingering chart. It shows notes on a treble clef staff with quarter sharp and quarter flat intervals. Fingerings are indicated by black dots (finger down) and white circles (finger up). Finger numbers 1, 5, 6, 7, 8, and 9 are shown.

Fifth staff of the fingering chart. It shows notes on a treble clef staff with quarter sharp and quarter flat intervals. Fingerings are indicated by black dots (finger down) and white circles (finger up). Finger numbers 1, 3, 7, and 8 are shown.

Basic Flute Technique

This page provides a comprehensive set of flute fingering charts, organized into five systems. Each system includes musical notation for notes and corresponding finger diagrams with finger numbers (1-7) and breath marks.

- System 1:** Musical notation for notes G4, A4, B4, C5, D5, E5, and F5. Finger diagrams show combinations of fingers 1-3 and 7-9.
- System 2:** Musical notation for notes G4, A4, B4, C5, D5, and E5. Finger diagrams show combinations of fingers 1-3 and 7-9.
- System 3:** Musical notation for notes G4, A4, B4, C5, D5, E5, and F5. Finger diagrams show combinations of fingers 1-3 and 7-9.
- System 4:** Musical notation for notes G4, A4, B4, C5, D5, E5, and F5. Finger diagrams show combinations of fingers 1-3 and 7-9.
- System 5:** Musical notation for notes G4, A4, B4, C5, D5, E5, and F5. Finger diagrams show combinations of fingers 1-3 and 7-9.

The charts include various fingerings and breath marks (e.g., 1 3, 7 9, 1 3 5, 7 9) to provide a wide range of options for each note.

IX Some usual modern flute sounds

Tavallisimpia moderneja soittotapoja

key click without flute tone
läpänisku ilman säveltä

key click with flute tone
läpänisku + sävel

key click while covering mouthpiece with mouth
läpänisku, huulilla suljettu puhallusaukko,
(sormitus ilmaistu nuotin yläpuolella)

"tongue-ram", "tongue stop"
> = fingering, sormitus
imaisu tai puhallus ja voimakkaasti
kielellä katkaistu ilmavirta
(puhallusaukko suljettu huulilla)
(sormitus ilmaistu nuotin yläpuolella)

"without sound"
puolittainen puhallus,
suhinaa ilman säveltä
"S"

flutter without tone
suhinaa + "R"
Vrt Flz

"harmonic", "flageoletti", yläsävelsarjan osasävel
fingering, sormitus
free harmonics
sattumanvaraisia "ylipuhalluksia"

double harmonic, overblowing
kaksoisflageoletti = lyhyt, voimakas
puhallus pienellä aukolla,
jolloin tavoittaa useampia
yläsävelsarjan ääniä

Flz
"flutterzunge", "flutter",
lepattava, pörräävä kieli, "R"

tr
5
9
"multiphonic" effects
moni-ääni efekti
(sormiotteet ilmoitettuna
tai vapaavalintaisina)

6 "
W.T.
whistle tone / whisper tone
vihellysääni= hennoimmat
yläsävelsarjan sävelet
"box" = free improvisation 6 sec.
"laatikko" = vapaa improvisaatio
annetun aiheen pohjalta
n. 6 sek. ajaksi

"tongue vibrato"
kieli-vibrato

"key vibrato" /
timbral trill
läppävibrato/
äänenväritrilli

other:
lisäksi:

Kehlkopfvibrato = mäkättävä kurkkuvibrato
Handshake vibrato =
rannevibrato, tärisävä huilu
Dog breath = läähätys huiluputkeen
Hissing embouchure =
sihinää osittain huiluputkeen

Basic Flute Technique

irregolare

fast double-tonguing without tone
nopea tuplakieli ilman säveltä, sormitus valinnanvarainen

Key clicks, key noise irregular rhythm
läppien kolinaa, sormitus ja rytmi vapaa

= quarter sharp / neljänneskorotus
b = quarter flat / neljännesalennus

= 3/4 sharp / 3/4 korotus
other signs: / muita merkkejä:

gliss

embouchure opening: puhallusaukko:

- closed / suljettu
- normal / normaali
- very open / kokonaan auki

slap
"slap tongue", "pizz"
kieli-isku
"T"

"closed slap"
suljettu kieli-isku
eli "T" aksentti sisään huiluputkeen

gliss
sing, S
nouseva lauluääni + huiluääni

Angle of the flute: / puhalluskulma:
normal playing angle
puhalluskulma normaali
turned in as far as possible
mahdollisimman sisäänpäin kääntynyt

abbreviations: lyhenteitä:

S = sing (laulu)
Wh = whisper (kuiskaus)
Sp = speak (puhe)
Wsl = whistle (vihellys)
WT = "whistle-tone" ("vihellysääni")
K, H, Kiss = special articulations / erikoisartikulaatio-äänteitä
N = normaali sävel / soittotapa
ord. = ordinario eli tavallinen

"jet-blow", jet whistle
voimakas, viiltävä
puhallus huiluputkeen

Tone colors: / äänen värisävyjä:
▼ ○ ● □
color changes; dark, bright, open, closed etc with different fingerings
sormituksilla vaihdettavat äänen värit; tumma, kirkas, avoin, suljettu jne

accelerating figure
kiihtyvä kuvio

descelerating figure
hidastuva kuvio

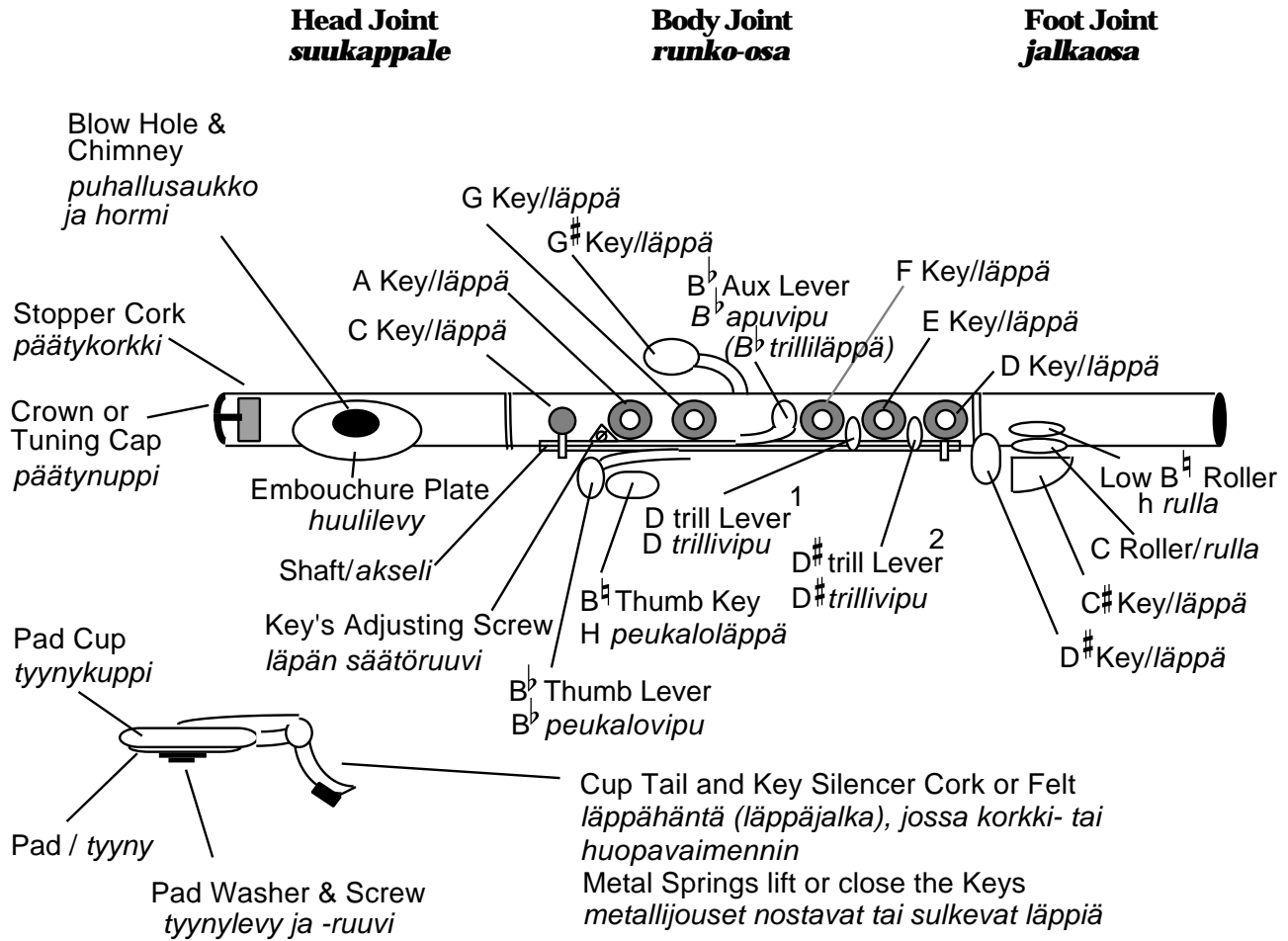
approximate rhythm
viitteellinen rytmi

x = 1/4 lengthening of rhythm value
x = 1/4 nuottiarvon pidennys

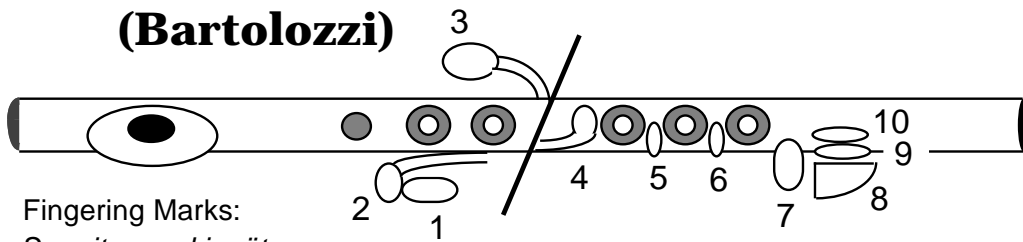
Ex: / Esim.:
○ x =

crescendo from silence and until diminuendo into silence
hiljaisuudesta alkaen ja loppuen

X The Parts of the flute • Huilun osat



The Numbering of keys • Läppien numerointi (Bartolozzi)



Fingering Marks:

Sormitusmerkinnät:

- = closed key / läppä suljettuna
- = open key / läppä avoin
- ∅ = only the key-ring closed / vain läppärengas (kehä) suljettuna
- ◐ = half opening / puoliksi peitetty reikä

Trills: / Trillit:

- tr ○
- or / tai
- lever nr + tr
- vivun no + tr

1, 2	○
3	●
4	●
5	●
6	●
7	○
8, 9, 10	○